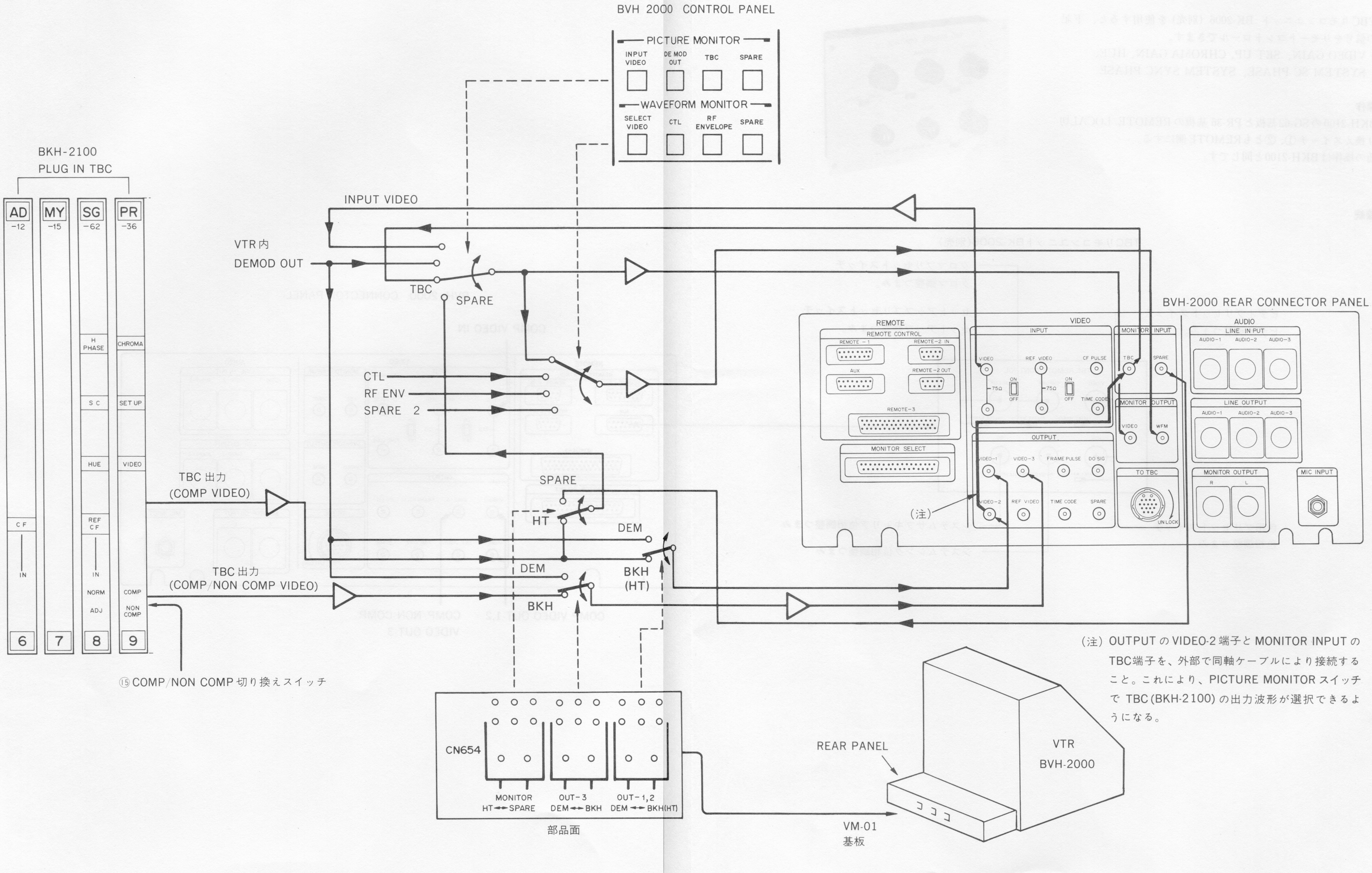
1-8. シグナル　フローチャート


BVH 2000 CONTROL PANEL
PICTURE MONITOR
INPUT VIDEO
DE MOD OUT
TBC
SPARE
WAVEFORM MONITOR
SELECT VIDEO
CTL
RF ENVELOPE
SPARE
BKH-2100
PLUG IN TBC
AD
-12
MY
-15
SG
-62
PR
-36
H PHASE
CHROMA
S C
SET UP
HUE
VIDEO
C F
IN
REF CF
IN
NORM
ADJ
COMP
NON COMP
6
7
8
9
INPUT VIDEO
VTR内
DEMOD OUT
TBC
SPARE
CTL
RF ENV
SPARE　2
TBC 出力
(COMP VIDEO)
TBC 出力
(COMP/NON COMP VIDEO)
SPARE
HT
DEM
DEM
BKH
BKH
(HT)
⑮COMP/NON COMP 切り換えスイッチ
CN654
MONITOR
HT ◄► SPARE
OUT-3
DEM ◄► BKH
OUT-1,2
DEM ◄► BKH(HT)
部品面
BVH-2000 REAR CONNECTOR PANEL
REMOTE
REMOTE CONTROL
REMOTE-1
REMOTE-2 IN
AUX
REMOTE-2 OUT
REMOTE-3
MONITOR SELECT
VIDEO
INPUT
VIDEO
REF VIDEO
CF PULSE
ON
75Ω
OFF
TIME CODE
OUTPUT
VIDEO-1
VIDEO-3
FRAME PULSE
DO SIG
VIDEO-2
REF VIDEO
TIME CODE
SPARE
MONITOR INPUT
TBC
SPARE
MONITOR OUTPUT
VIDEO
WFM
TO TBC
UN LOCK
AUDIO
LINE IN PUT
AUDIO-1
AUDIO-2
AUDIO-3
LINE OUTPUT
AUDIO-1
AUDIO-2
AUDIO-3
MONITOR OUTPUT
R
L
MIC INPUT
(注)
REAR PANEL
VTR
BVH-2000
VM-01
基板

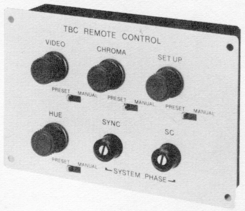
（注）OUTPUT の VIDEO-2 端子と MONITOR INPUT の TBC端子を、外部で同軸ケーブルにより接続すること。これにより、PICTURE MONITOR スイッチで TBC (BKH-2100) の出力波形が選択できるようになる。

1-9. リモートコントロール

TBCリモコンユニット BK-2006（別売）を使用すると、下記の信号をリモートコントロールできます。

VIDEO GAIN、SET UP、CHROMA GAIN、HUE、
SYSTEM SC PHASE、SYSTEM SYNC PHASE

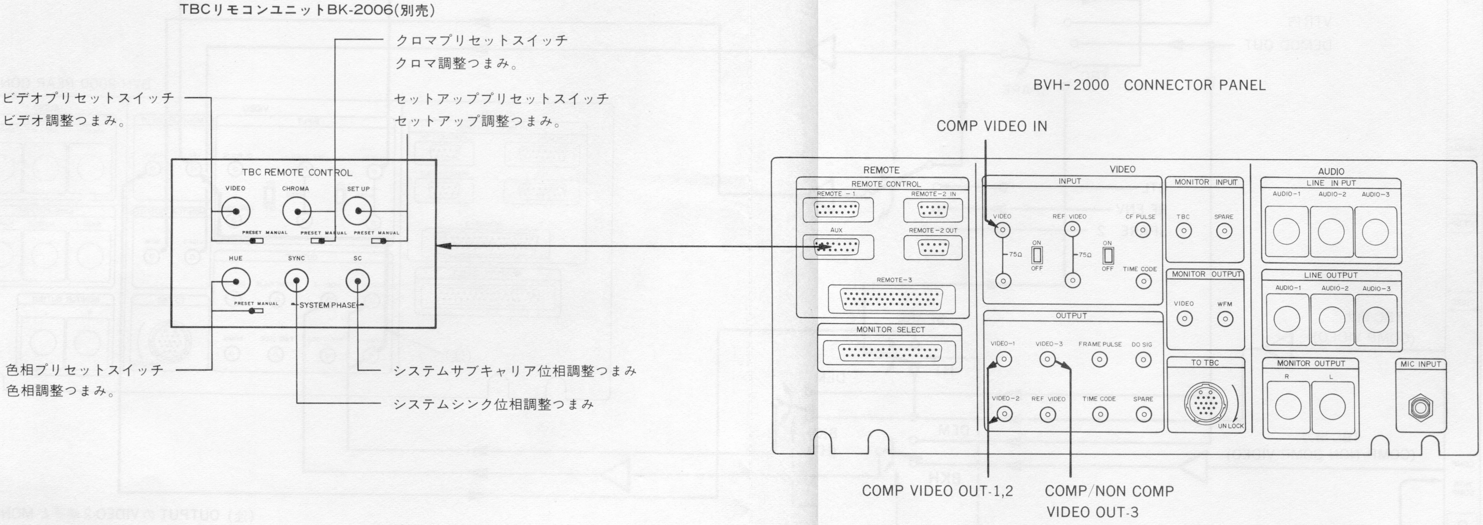
BK-2006


TBC REMOTE CONTROL
VIDEO
CHROMA
SET UP
HUE
SYNC
SC
PRESET
MANUAL
SYSTEM PHASE

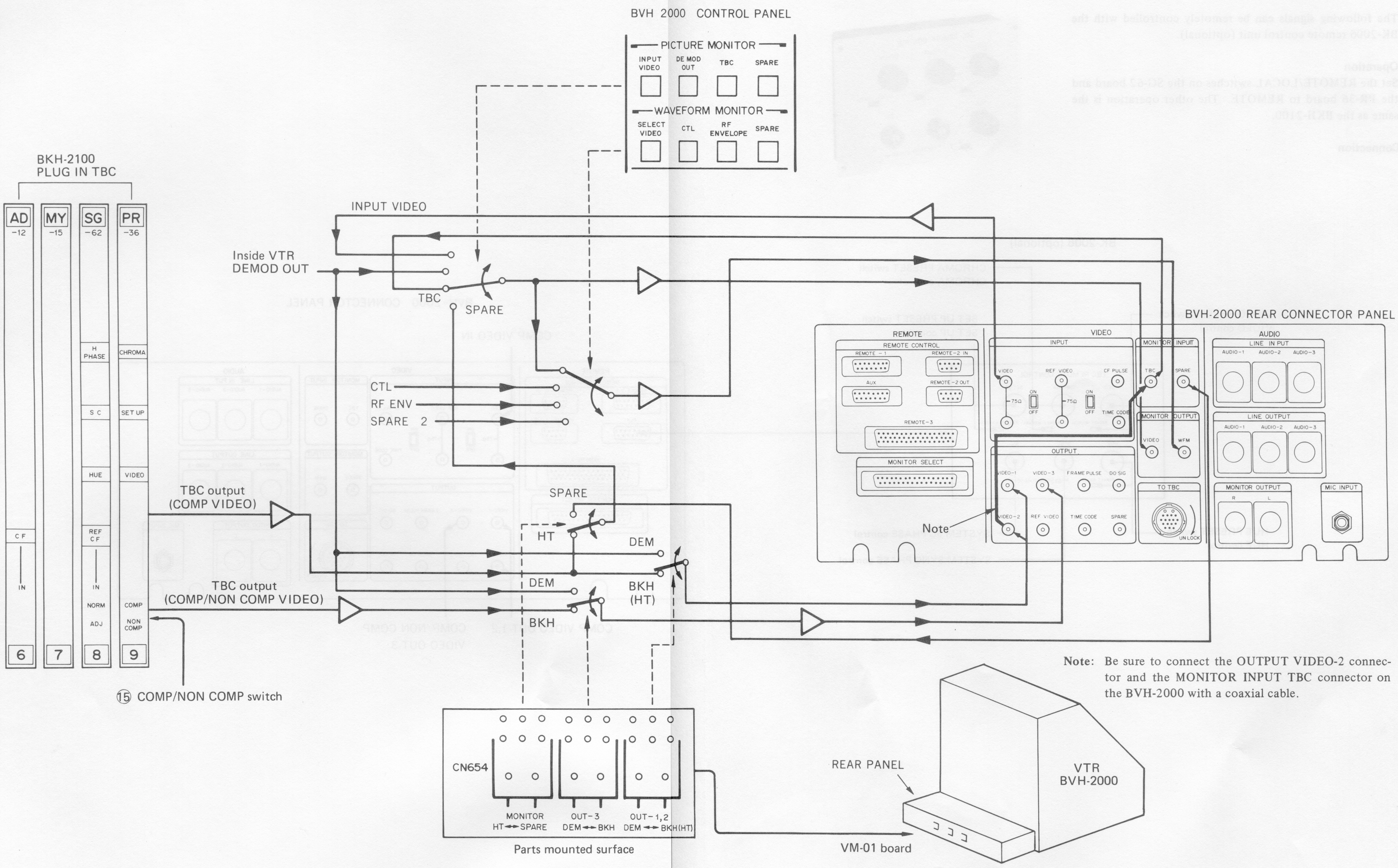
操作

BKH-2100のSG-62基板とPR-36基板のREMOTE/LOCAL切り換えスイッチ①、②ともREMOTE側にする。
他の操作はBKH-2100と同じです。

接続


TBCリモコンユニットBK-2006(別売)
クロマプリセットスイッチ
クロマ調整つまみ。
ビデオプリセットスイッチ
ビデオ調整つまみ。
セットアッププリセットスイッチ
セットアップ調整つまみ。
TBC REMOTE CONTROL
VIDEO
CHROMA
SET UP
PRESET MANUAL
HUE
SYNC
SC
SYSTEM PHASE
色相プリセットスイッチ
色相調整つまみ。
システムサブキャリア位相調整つまみ
システムシンク位相調整つまみ
BVH-2000 CONNECTOR PANEL
COMP VIDEO IN
REMOTE
REMOTE CONTROL
REMOTE-1
REMOTE-2 IN
AUX
REMOTE-2 OUT
REMOTE-3
MONITOR SELECT
VIDEO
INPUT
VIDEO
REF VIDEO
CF PULSE
75Ω
ON
OFF
TIME CODE
OUTPUT
VIDEO-1
VIDEO-3
FRAME PULSE
DO SIG
VIDEO-2
REF VIDEO
TIME CODE
SPARE
MONITOR INPUT
TBC
SPARE
MONITOR OUTPUT
VIDEO
WFM
TO TBC
UN LOCK
AUDIO
LINE IN PUT
AUDIO-1
AUDIO-2
AUDIO-3
LINE OUTPUT
MONITOR OUTPUT
R
L
MIC INPUT
COMP VIDEO OUT-1,2
COMP/NON COMP
VIDEO OUT-3

1-8. SIGNAL FLOW CHART


BVH 2000 CONTROL PANEL
PICTURE MONITOR
INPUT VIDEO
DE MOD OUT
TBC
SPARE
WAVEFORM MONITOR
SELECT VIDEO
CTL
RF ENVELOPE
SPARE
BKH-2100
PLUG IN TBC
AD
-12
MY
-15
SG
-62
PR
-36
H PHASE
CHROMA
S C
SET UP
HUE
VIDEO
C F
IN
REF C F
IN
NORM
ADJ
COMP
NON COMP
6
7
8
9
INPUT VIDEO
Inside VTR
DEMOD OUT
TBC
SPARE
CTL
RF ENV
SPARE 2
TBC output
(COMP VIDEO)
TBC output
(COMP/NON COMP VIDEO)
⑮ COMP/NON COMP switch
SPARE
HT
DEM
DEM
BKH
(HT)
BKH
CN654
MONITOR
HT ↔ SPARE
OUT-3
DEM ↔ BKH
OUT-1,2
DEM ↔ BKH(HT)
Parts mounted surface
BVH-2000 REAR CONNECTOR PANEL
REMOTE
REMOTE CONTROL
REMOTE -1
REMOTE-2 IN
AUX
REMOTE-2 OUT
REMOTE-3
MONITOR SELECT
VIDEO
INPUT
VIDEO
REF VIDEO
CF PULSE
75Ω
ON
OFF
75Ω
ON
OFF
TIME CODE
OUTPUT
VIDEO-1
VIDEO-3
FRAME PULSE
DO SIG
VIDEO-2
REF VIDEO
TIME CODE
SPARE
MONITOR INPUT
TBC
SPARE
MONITOR OUTPUT
VIDEO
WFM
TO TBC
UN LOCK
AUDIO
LINE IN PUT
AUDIO-1
AUDIO-2
AUDIO-3
LINE OUTPUT
AUDIO-1
AUDIO-2
AUDIO-3
MONITOR OUTPUT
R
L
MIC INPUT
Note
REAR PANEL
VTR
BVH-2000
VM-01 board

Note: Be sure to connect the OUTPUT VIDEO-2 connector and the MONITOR INPUT TBC connector on the BVH-2000 with a coaxial cable.

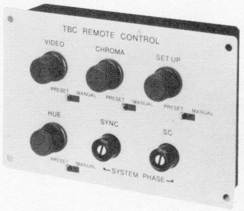
1-9. REMOTE CONTROL

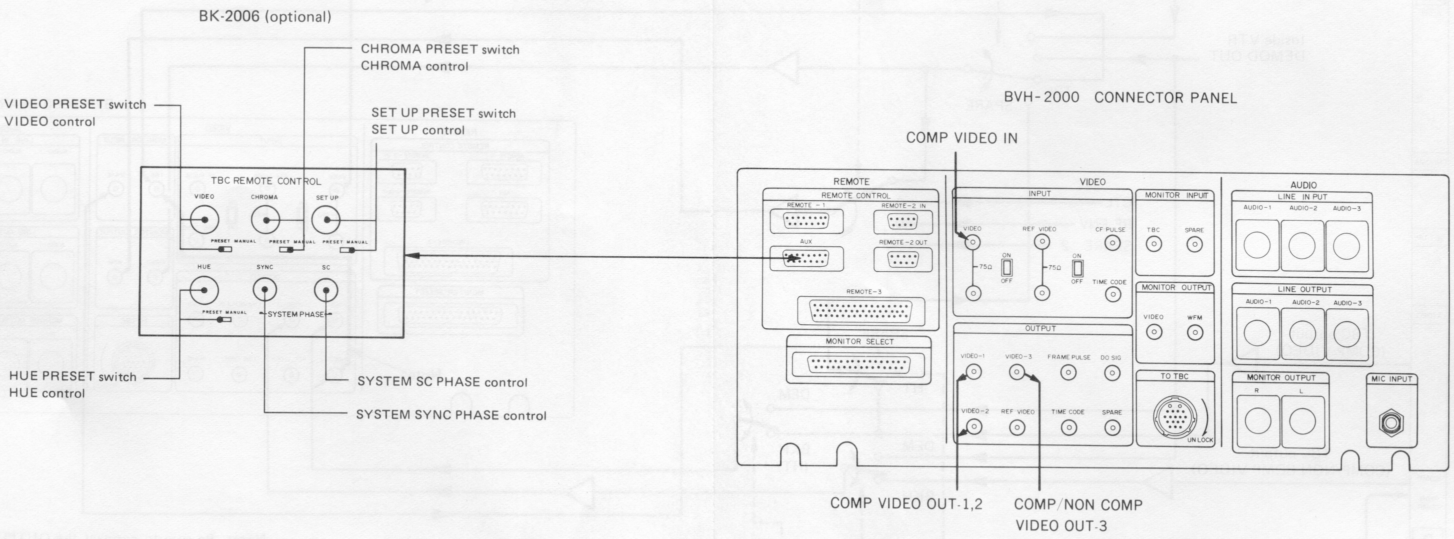
The following signals can be remotely controlled with the BK-2006 remote control unit (optional).

Operation
Set the REMOTE/LOCAL switches on the SG-62 board and the PR-36 board to REMOTE. The other operation is the same as the BKH-2100.

Connection

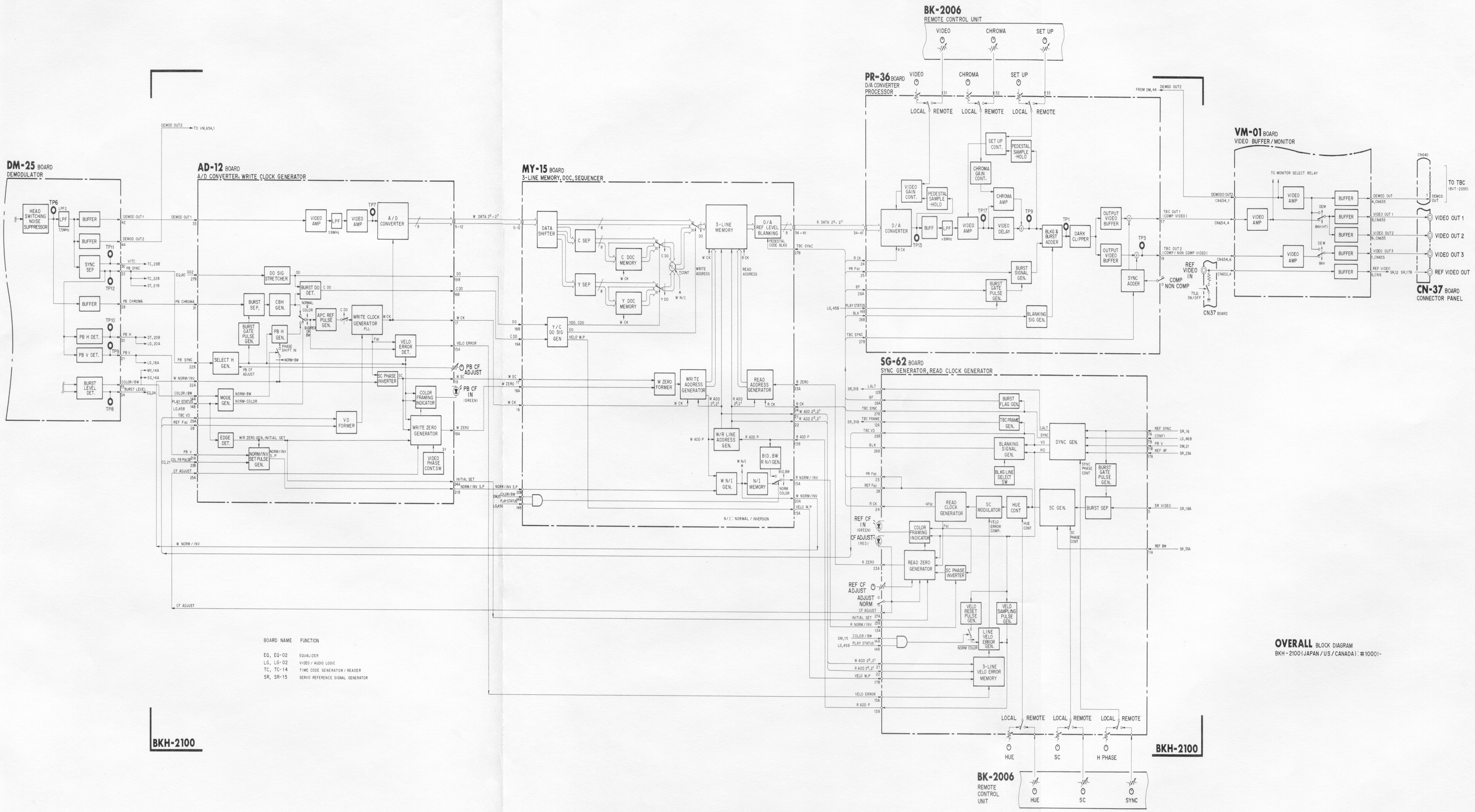
BK-2006


TBC REMOTE CONTROL
VIDEO
CHROMA
SET UP
PRESET
MANUAL
HUE
SYNC
SC
← SYSTEM PHASE →


BK-2006 (optional)
CHROMA PRESET switch
CHROMA control
VIDEO PRESET switch
VIDEO control
SET UP PRESET switch
SET UP control
TBC REMOTE CONTROL
VIDEO
CHROMA
SET UP
PRESET MANUAL
HUE
SYNC
SC
← SYSTEM PHASE →
HUE PRESET switch
HUE control
SYSTEM SC PHASE control
SYSTEM SYNC PHASE control
BVH-2000 CONNECTOR PANEL
COMP VIDEO IN
REMOTE
REMOTE CONTROL
REMOTE-1
REMOTE-2 IN
AUX
REMOTE-2 OUT
REMOTE-3
MONITOR SELECT
VIDEO
INPUT
VIDEO
REF VIDEO
CF PULSE
75Ω
ON
OFF
TIME CODE
OUTPUT
VIDEO-1
VIDEO-3
FRAME PULSE
DO SIG
VIDEO-2
REF VIDEO
TIME CODE
SPARE
MONITOR INPUT
TBC
SPARE
MONITOR OUTPUT
VIDEO
WFM
TO TBC
UN LOCK
AUDIO
LINE IN PUT
AUDIO-1
AUDIO-2
AUDIO-3
LINE OUTPUT
AUDIO-1
AUDIO-2
AUDIO-3
MONITOR OUTPUT
R
L
MIC INPUT
COMP VIDEO OUT-1,2
COMP/NON COMP
VIDEO OUT-3

SECTION A
BLOCK DIAGRAM

OVERALL BLOCK DIAGRAM


DM-25 BOARD
DEMODULATOR
HEAD SWITCHING NOISE SUPPRESSOR
LPF
BUFFER
SYNC SEP
PB H DET.
PB V DET.
BURST LEVEL DET.
AD-12 BOARD
A/D CONVERTER, WRITE CLOCK GENERATOR
VIDEO AMP
A/D CONVERTER
DO SIG STRETCHER
BURST SEP.
CBH GEN.
BURST DO DET.
APC REF PULSE GEN.
WRITE CLOCK GENERATOR PLL
VELO ERROR DET.
SC PHASE INVERTER
COLOR FRAMING INDICATOR
WRITE ZERO GENERATOR
VIDEO PHASE CONT.SW
SELECT H GEN.
MODE GEN.
EDGE DET.
V.D FORMER
NORM/INV SET PULSE GEN.
PB CF ADJUST
PB CF IN (GREEN)
MY-15 BOARD
3-LINE MEMORY, DOC, SEQUENCER
DATA SHIFTER
C SEP
Y SEP
C DOC MEMORY
Y DOC MEMORY
Y/C DO SIG GEN
3-LINE MEMORY
D/A REF LEVEL BLANKING
W ZERO FORMER
WRITE ADDRESS GENERATOR
READ ADDRESS GENERATOR
W/R LINE ADDRESS GEN.
W N/I GEN.
N/I MEMORY
BIO, BW R N/I GEN.
N/I: NORMAL / INVERSION
BK-2006
REMOTE CONTROL UNIT
VIDEO
CHROMA
SET UP
LOCAL
REMOTE
PR-36 BOARD
D/A CONVERTER PROCESSOR
D/A CONVERTER
VIDEO GAIN CONT.
PEDESTAL SAMPLE -HOLD
CHROMA GAIN CONT.
SET UP CONT.
CHROMA AMP
VIDEO DELAY
BLKG & BURST ADDER
DARK CLIPPER
OUTPUT VIDEO BUFFER
SYNC ADDER
BURST SIGNAL GEN.
BURST GATE PULSE GEN.
BLANKING SIG GEN.
COMP
NON COMP
REF VIDEO IN
CN37 BOARD
VM-01 BOARD
VIDEO BUFFER / MONITOR
TO MONITOR SELECT RELAY
DEMOD OUT
VIDEO OUT 1
VIDEO OUT 2
VIDEO OUT 3
REF VIDEO OUT
TO TBC (BVT-2000)
CN-37 BOARD
CONNECTOR PANEL
SG-62 BOARD
SYNC GENERATOR, READ CLOCK GENERATOR
BURST FLAG GEN.
TBC FRAME GEN.
BLANKING SIGNAL GEN.
BLKG LINE SELECT SW
SYNC GEN.
BURST GATE PULSE GEN.
SC GEN.
BURST SEP
READ CLOCK GENERATOR
SC MODULATOR
HUE CONT
COLOR FRAMING INDICATOR
READ ZERO GENERATOR
SC PHASE INVERTER
VELO RESET PULSE GEN.
VELO SAMPLING PULSE GEN.
LINE VELO ERROR GEN.
3-LINE VELO ERROR MEMORY
REF CF IN (GREEN)
CF ADJUST (RED)
REF CF ADJUST
NORM
HUE
SC
H PHASE
SYNC
BK-2006
REMOTE CONTROL UNIT
BKH-2100

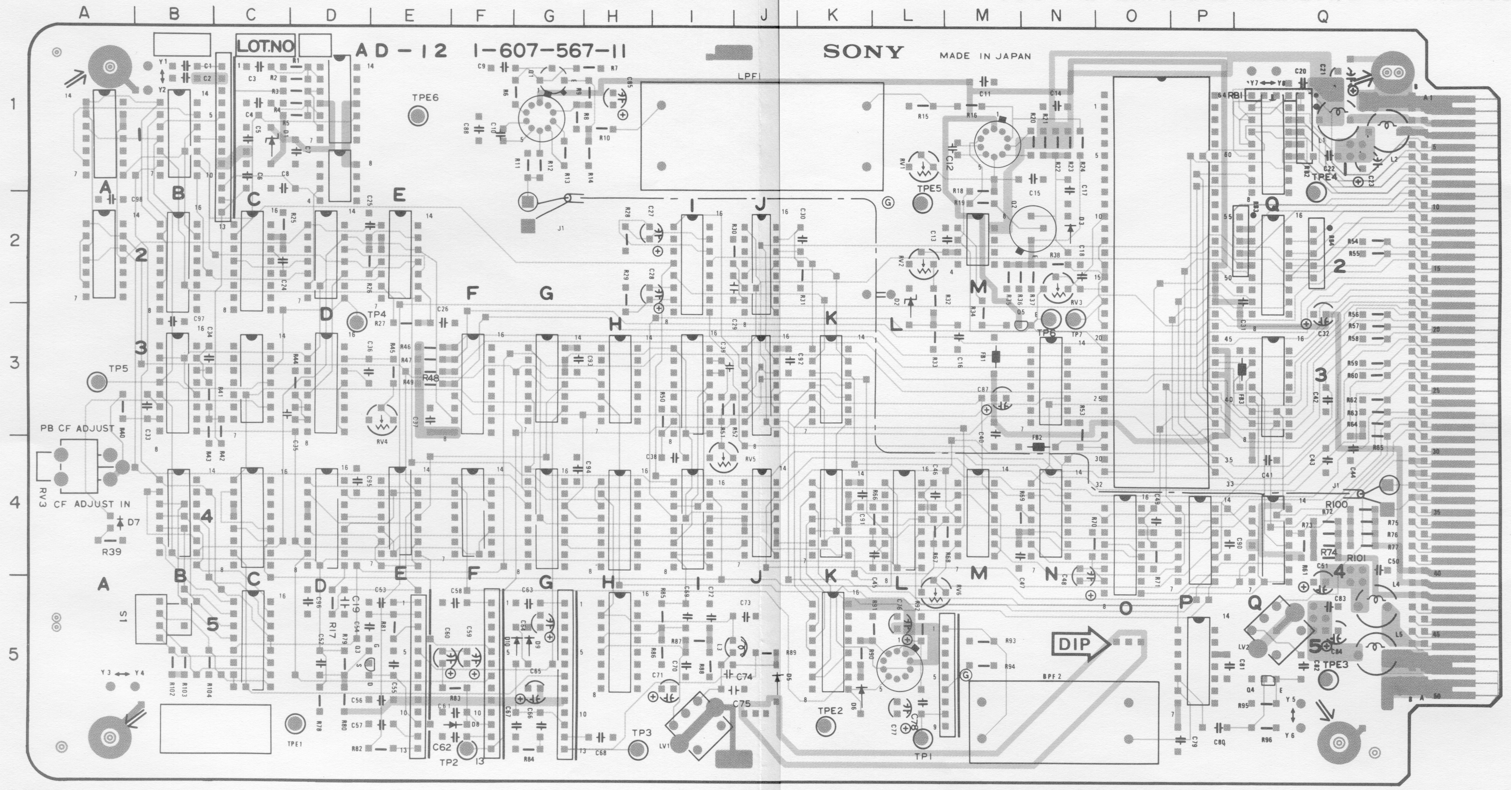
BOARD NAME	FUNCTION
EQ, EQ-02	EQUALIZER
LG, LG-02	VIDEO / AUDIO LOGIC
TC, TC-14	TIME CODE GENERATOR / READER
SR, SR-15	SERVO REFERENCE SIGNAL GENERATOR

OVERALL BLOCK DIAGRAM
BKH-2100 (JAPAN / US / CANADA) : #10001-

AD-12 BOARD (1-607-567-11)

Component Side

AD
-12
PB
CF
IN
6
RV3
D7
(GREEN)

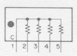

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
1
2
3
4
5
LOT.NO
AD-12 1-607-567-11
SONY
MADE IN JAPAN
LPF1
BPF2
DIP
TPE1
TPE2
TPE3
TPE4
TPE5
TPE6
TP1
TP2
TP3
TP4
TP5
TP6
TP7
PB CF ADJUST
CF ADJUST IN
RV3
D7
R39
S1
RB1
R100
R101
R74
LV1
LV2
C62
C74
C75
C12
R17
R48

1-607-567-11 COMPONENT SIDE

1-607-567-11

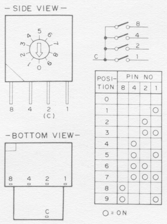
AD-12 (1-607-567-11)			
BKH-2100(J,U/C)		IC5C	
		IC5E	
D1	1C	IC5F	
D2	2L	IC5G	
D3	2N	IC5H	
D5	5J	IC5K	
D6	5K	IC5L	
D7	4A	IC5M	
D8	5F		
D9	5G	LV1	5I
D10	5G	LV2	5Q
DL	4F	Q1	1G
		Q2	2N
IC1	1D	Q3	5E
IC1A		Q4	5Q
IC1B		Q5	3N
IC1C			
IC1D		RB1	1Q
IC1G		RB2	1Q
IC1M		RB3	2Q
IC1P		RB4	2Q
IC1Q			
IC2A		RV1	1L
IC2B		RV2	2L
IC2C		RV3	4A
IC2D		RV4	3E
IC2E		RV5	4I
IC2I		RV6	5L
IC2J			
IC2M			
IC2Q		S1	5B
IC3B			
IC3C		TP1	5L
IC3D		TP2	5F
IC3F		TP3	5H
IC3G		TP4	3D
IC3H		TP5	1A
IC3I		TP6	3N
IC3J		TP7	3N
IC3K			
IC3N		TPE1	5D
IC3Q		TPE2	5K
IC4B		TPE3	5Q
IC4C		TPE4	1Q
IC4D		TPE5	2L
IC4E		TPE6	1E
IC4G			
IC4H			
IC4I			
IC4J			
IC4K			
IC4L			
IC4M			
IC4N			
IC4O			
IC4P			
IC4Q			

RB1, 2, 3, 4



R=620

S1

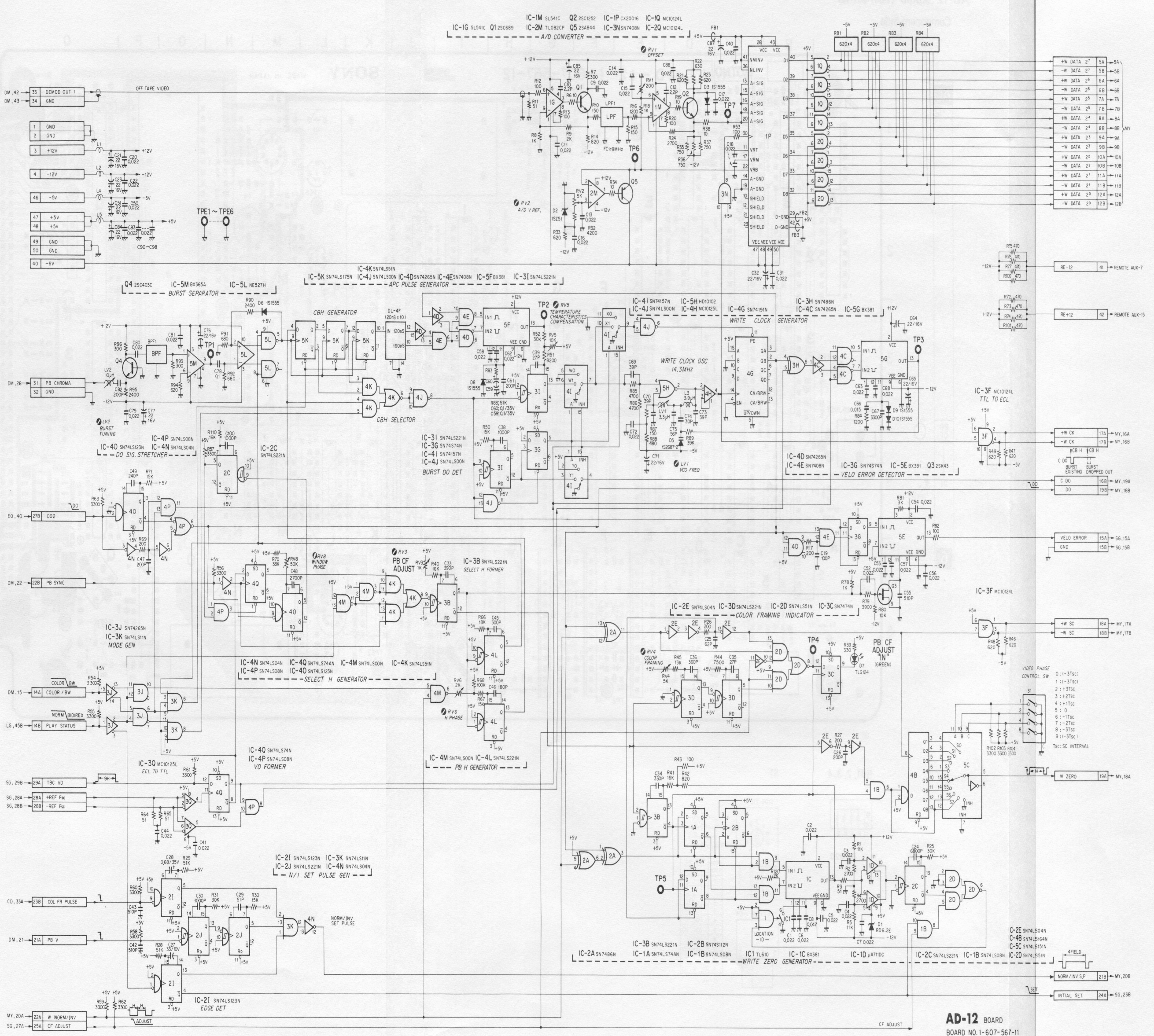

-SIDE VIEW-
0
1
2
3
4
5
6
7
8
9
8
4
2
(C)
1
-BOTTOM VIEW-
8
4
2
1
C
C
8
4
2
1

POSITION	PIN NO			
	8	4	2	1
0				
1				○
2			○	
3			○	○
4		○		
5		○		○
6		○	○	
7		○	○	○
8	○			
9	○			○

○ = ON

AD-12 BOARD

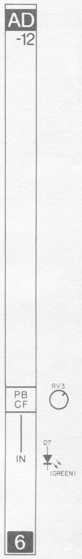
A/D Converter
Write Clock Generator

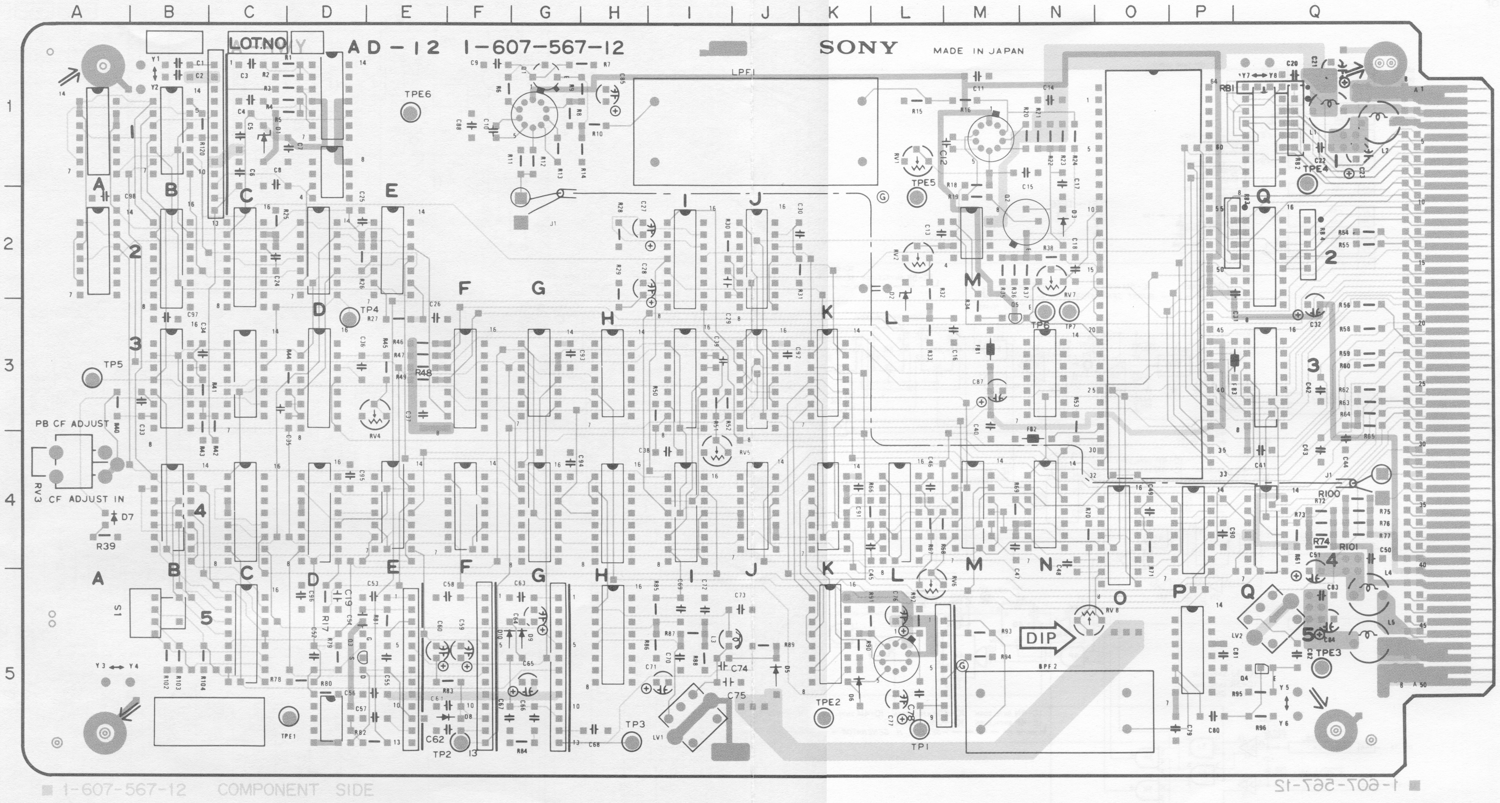

IC-1G SL541C Q1 2SC689 IC-1M SL541C IC-2M TL082CP Q2 2SC1252 Q5 2SA844 IC-1P CX20016 IC-3N SN7408N IC-1Q MC10124L IC-2Q MC10124L
A/D CONVERTER
OFF TAPE VIDEO
DEMOD OUT 1
TPE1 ~ TPE6
RV1 OFFSET
RV2 A/D V REF.
TP6
TP7
+W DATA
-W DATA
REMOTE AUX-7
REMOTE AUX-15
Q4 2SC403C IC-5M BX1654 IC-5L NE527H
BURST SEPARATOR
IC-5K SN74LS175N IC-4K SN74LS51N IC-4J SN74LS00N IC-4D SN74265N IC-4E SN7408N IC-5F BX381 IC-3I SN74LS221N
APC PULSE GENERATOR
CBH GENERATOR
CBH SELECTOR
TP1
TP2 RV5 TEMPERATURE CHARACTERISTICS COMPENSATION
IC-4I SN74157N IC-4J SN74LS00N IC-5H MD10102 IC-4H MC10125L
WRITE CLOCK OSC 14.3MHz
LV1 VCO FREQ
IC-4G SN74191N
WRITE CLOCK GENERATOR
IC-3H SN7486N IC-4C SN74265N IC-5G BX381
TP3
IC-3F MC10124L TTL TO ECL
+W CK
-W CK
BURST EXISTING BURST DROPPED OUT
C DO
DO
LV2 BURST TUNING
IC-4O SN74LS123N IC-4P SN74LS08N IC-4N SN74LS04N
DO SIG. STRETCHER
IC-2C SN74LS221N
IC-3I SN74LS221N IC-3G SN74S74N IC-4I SN74157N IC-4J SN74LS00N
BURST DO DET
IC-4D SN74265N IC-4E SN7408N IC-3G SN74S74N IC-5E BX381 Q3 2SK43
VELO ERROR DETECTOR
VELO ERROR
DO2
PB SYNC
RV8 WINDOW PHASE
RV3 PB CF ADJUST
IC-3B SN74LS221N SELECT H FORMER
IC-4N SN74LS04N IC-4Q SN74LS74N IC-4M SN74LS00N IC-4K SN74LS51N IC-4P SN74LS08N IC-4O SN74LS123N
SELECT H GENERATOR
RV6 H PHASE
IC-4M SN74LS00N IC-4L SN74LS221N
PB H GENERATOR
IC-2E SN74LS04N IC-3D SN74LS221N IC-2D SN74LS51N IC-3C SN74S74N
COLOR FRAMING INDICATOR
RV4 COLOR FRAMING
TP4
PB CF ADJUST "IN" (GREEN)
IC-3F MC10124L
+W SC
-W SC
VIDEO PHASE CONTROL SW
TSC : SC INTERVAL
W ZERO
IC-3J SN74265N IC-3K SN74LS11N MODE GEN
COLOR / BW
PLAY STATUS
NORM/BIDIREX
IC-3Q MC10125L ECL TO TTL
IC-4Q SN74S74N IC-4P SN74LS08N VD FORMER
TBC VD
+REF Fsc
-REF Fsc
IC-2I SN74LS123N IC-3K SN74LS11N IC-2J SN74LS221N IC-4N SN74LS04N
N/I SET PULSE GEN
COL FR PULSE
PB V
NORM/INV SET PULSE
IC-2I SN74LS123N EDGE DET
W NORM/INV
CF ADJUST
TP5
IC-2A SN7486N IC-3B SN74LS221N IC-1A SN74S74N IC-2B SN74S112N IC-1B SN74LS08N IC-1 TL610 IC-1C BX381 IC-1D μA710C IC-2C SN74LS221N IC-1B SN74LS08N
WRITE ZERO GENERATOR
IC-2E SN74LS04N IC-4B SN74LS164N IC-5C SN74LS151N IC-2D SN74LS51N
4FIELD
NORM/INV S.P
SETT
INTIAL SET

AD-12 BOARD
BOARD NO. 1-607-567-11
BKH-2100 (JAPAN/US/CANADA) : #10001-#10699

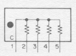
AD-12 BOARD (1-607-567-12)

Component Side


AD
-12
PB
CF
IN
6
RV3
D7
(GREEN)

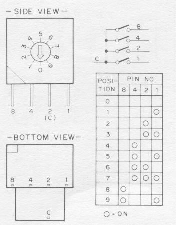

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
1
2
3
4
5
LOTNO
AD-12 1-607-567-12
SONY
MADE IN JAPAN
TPE6
TPE5
TPE4
TPE3
TPE2
TPE1
TP1
TP2
TP3
TP4
TP5
TP6
TP7
PB CF ADJUST
RV3
CF ADJUST IN
D7
R39
S1
DIP
LPF1
BPF2
1-607-567-12 COMPONENT SIDE

RB1, 2, 3, 4



R=620

S1


-SIDE VIEW-
0
1
2
3
4
5
6
7
8
9
8
4
2
1
(C)
-BOTTOM VIEW-
8
4
2
1
C
C
8
4
2
1

POSITION	PIN NO 8	4	2	1
0				
1				○
2			○	
3			○	○
4		○		
5		○		○
6		○	○	
7		○	○	○
8	○			
9	○			○

○ = ON

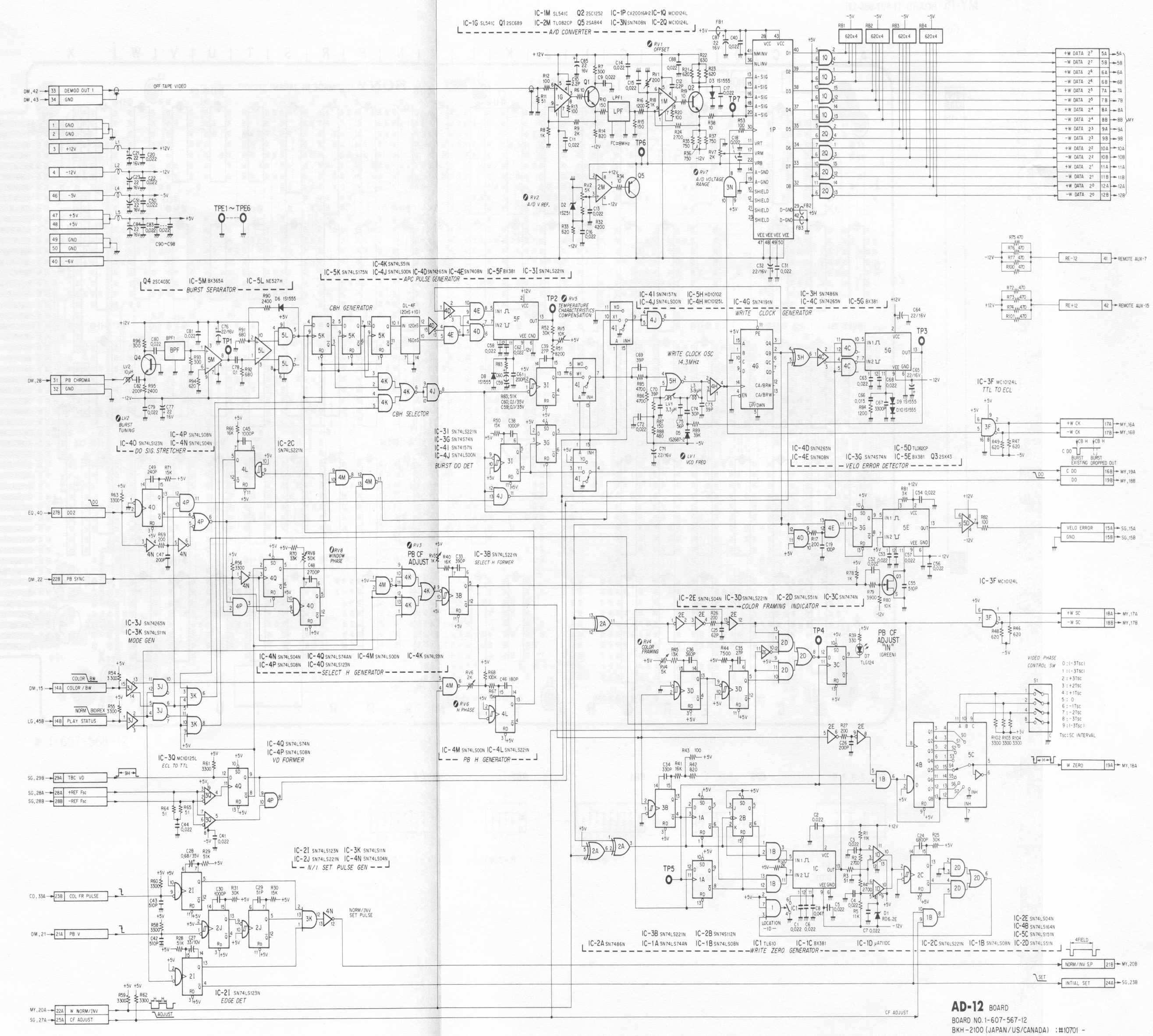
AD-12 (1-607-567-12)

BKH-2100(J,U/C)

Ref.	Location
D1	1C
D2	2L
D3	2N
D5	5J
D6	5K
D7	4A
D8	5F
D9	5G
D10	5G
DL	4F
IC1	1D
IC1A	
IC1B	
IC1C	
IC1D	
IC1G	
IC1M	
IC1P	
IC1Q	
IC2A	
IC2B	
IC2C	
IC2D	
IC2E	
IC2I	
IC2J	
IC2M	
IC2Q	
IC3B	
IC3C	
IC3D	
IC3F	
IC3G	
IC3H	
IC3I	
IC3J	
IC3K	
IC3N	
IC3Q	
IC4B	
IC4C	
IC4D	
IC4E	
IC4G	
IC4H	
IC4I	
IC4J	
IC4K	
IC4L	
IC4M	
IC4N	
IC4O	
IC4P	
IC4Q	
IC5C	
IC5D	
IC5E	
IC5F	
IC5G	
IC5H	
IC5K	
IC5L	
IC5M	
LV1	5I
LV2	5Q
Q1	1G
Q2	2N
Q3	5E
Q4	5Q
Q5	3N
RB1	1Q
RB2	1Q
RB3	2Q
RB4	2Q
RV1	1L
RV2	2L
RV3	4A
RV4	3E
RV5	4I
RV6	5L
RV7	2M
RV8	4O
S1	5B
TP1	5L
TP2	5F
TP3	5H
TP4	3D
TP5	3A
TP6	3N
TP7	3N
TPE1	5D
TPE2	5K
TPE3	5Q
TPE4	1Q
TPE5	2L
TPE6	1E

AD-12 BOARD

A/D Converter
Write Clock Generator

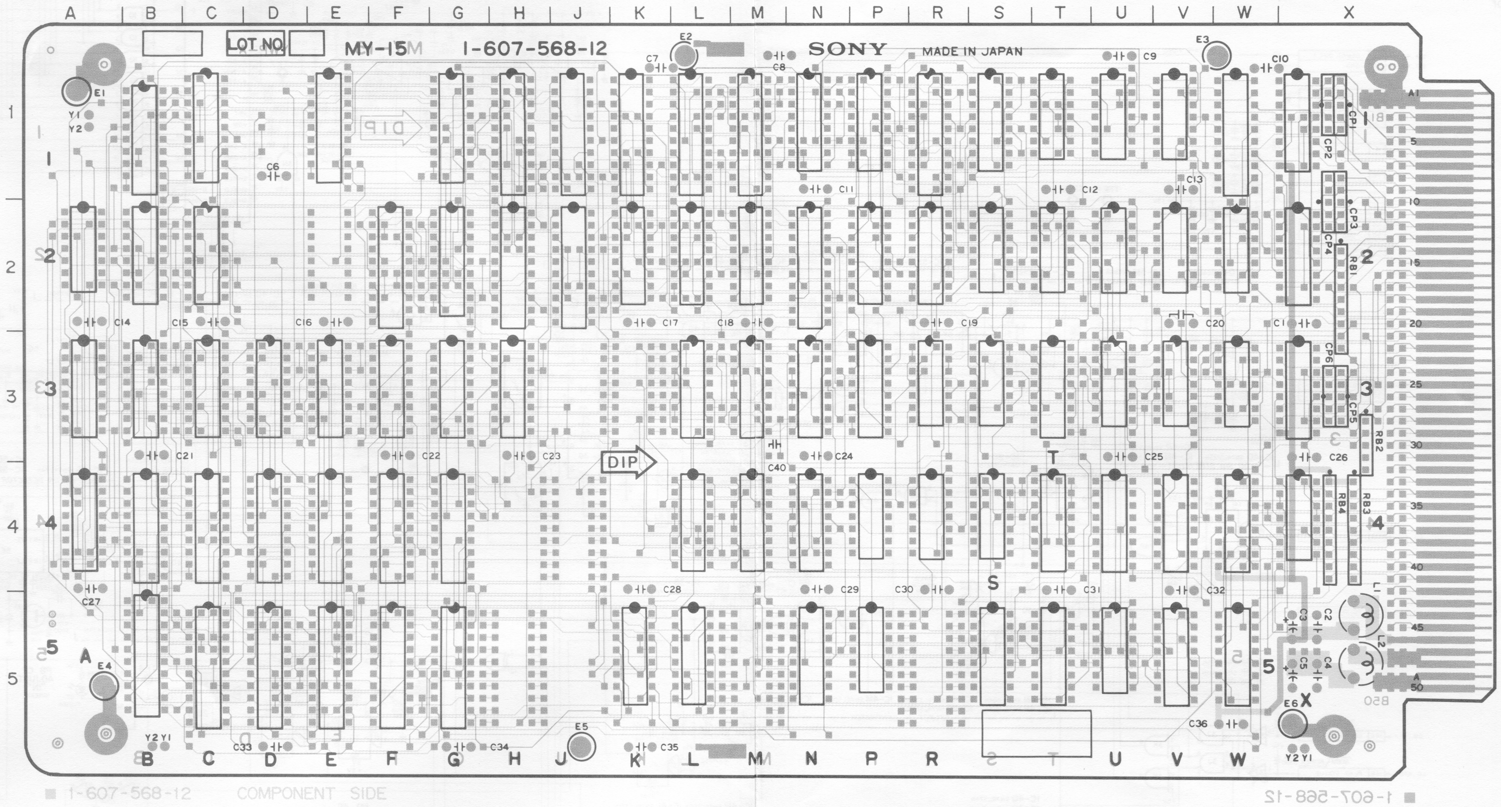

IC-1G SL541C Q1 2SC689 IC-1M SL541C Q2 2SC1252 IC-2M TL082CP Q5 2SA844 IC-1P CX20016AV IC-1Q MC10124L IC-3N SN7408N IC-2Q MC10124L
A/D CONVERTER
OFF TAPE VIDEO
DEMOD OUT 1
GND
+12V
-12V
-5V
+5V
-6V
TPE1 ~ TPE6
Q4 2SC403C IC-5M BX3654 IC-5L NE527N
BURST SEPARATOR
IC-5K SN74LS175N IC-4K SN74LS1N IC-4J SN74LS00N IC-4D SN74265N IC-4E SN7408N IC-5F BX381 IC-3I SN74LS221N
APC PULSE GENERATOR
CBH GENERATOR
CBH SELECTOR
PB CHROMA
BURST TUNING
IC-4P SN74LS08N IC-4N SN74LS04N IC-4O SN74LS123N
DO SIG. STRETCHER
TEMPERATURE CHARACTERISTICS COMPENSATION
IC-3I SN74LS221N IC-3G SN74S74N IC-4I SN74157N IC-4J SN74LS00N
BURST DO DET
IC-4I SN74157N IC-4J SN74LS00N IC-5H HD10102 IC-4H MC10125L
WRITE CLOCK OSC 14.3MHz
VCO FREQ
IC-4G SN74191N
WRITE CLOCK GENERATOR
IC-3H SN7486N IC-4C SN74265N IC-5G BX381
IC-3F MC10124L TTL TO ECL
IC-4D SN74265N IC-4E SN7408N IC-3G SN74S74N IC-5D TL082CP IC-5E BX381 Q3 2SK43
VELO ERROR DETECTOR
VELO ERROR
+W CK
-W CK
BURST EXISTING
BURST DROPPED OUT
DO
IC-3F MC10124L
+W SC
-W SC
IC-3J SN74265N IC-3K SN74LS1N
MODE GEN
COLOR BW
COLOR / BW
NORM BIDIREX
PLAY STATUS
PB SYNC
WINDOW PHASE
PB CF ADJUST
IC-3B SN74LS221N SELECT H FORMER
IC-4N SN74LS04N IC-4Q SN74LS74N IC-4M SN74LS00N IC-4K SN74LS1N IC-4P SN74LS08N IC-4O SN74LS123N
SELECT H GENERATOR
H PHASE
IC-4M SN74LS00N IC-4L SN74LS221N
PB H GENERATOR
IC-4Q SN74LS74N IC-4P SN74LS08N
VD FORMER
IC-3Q MC10125L ECL TO TTL
TBC VD
+REF Fsc
-REF Fsc
IC-2I SN74LS123N IC-3K SN74LS1N IC-2J SN74LS221N IC-4N SN74LS04N
N/I SET PULSE GEN
NORM/INV SET PULSE
COL FR PULSE
PB V
IC-2I SN74LS123N EDGE DET
W NORM/INV
CF ADJUST
IC-2E SN74LS04N IC-3D SN74LS221N IC-2D SN74LS51N IC-3C SN7474N
COLOR FRAMING INDICATOR
COLOR FRAMING
PB CF ADJUST "IN" (GREEN)
VIDEO PHASE CONTROL SW
0 : (-3Tsc)
1 : (-3Tsc)
2 : (+3Tsc)
3 : (+2Tsc)
4 : (+1Tsc)
5 : 0
6 : (-1Tsc)
7 : (-2Tsc)
8 : (-3Tsc)
9 : (-3Tsc)
Tsc : SC INTERVAL
W ZERO
IC-2A SN7486N IC-3B SN74LS221N IC-1A SN74S74N IC-2B SN74S112N IC-1B SN74LS08N IC1 TL610 IC-1C BX381 IC-1D µA710C IC-2C SN74LS221N IC-1B SN74LS08N
WRITE ZERO GENERATOR
IC-2E SN74LS04N IC-4B SN74LS164N IC-5C SN74LS151N IC-2D SN74LS51N
4FIELD
NORM/INV S.P
INITIAL SET
SET
REMOTE AUX-7
REMOTE AUX-15
+W DATA 2⁷
-W DATA 2⁷
+W DATA 2⁶
-W DATA 2⁶
+W DATA 2⁵
-W DATA 2⁵
+W DATA 2⁴
-W DATA 2⁴
+W DATA 2³
-W DATA 2³
+W DATA 2²
-W DATA 2²
+W DATA 2¹
-W DATA 2¹
+W DATA 2⁰
-W DATA 2⁰
A/D V REF.
A/D VOLTAGE RANGE
OFFSET

AD-12 BOARD
BOARD NO. 1-607-567-12
BKH-2100 (JAPAN/US/CANADA) :#10701 -

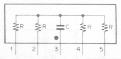
MY-15 BOARD (1-607-568-12)

Component Side

MY
-15
7

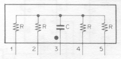

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
S
T
U
V
W
X
1
2
3
4
5
LOT NO
MY-15
1-607-568-12
SONY
MADE IN JAPAN
DIP
E1
E2
E3
E4
E5
E6
Y1
Y2
CP1
CP2
CP3
CP4
CP5
CP6
RB1
RB2
RB3
RB4
L1
L2
A1
B1
A
B50
1-607-568-12 COMPONENT SIDE

CP1, 2, 3, 4, 6



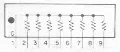
R=51
C=0.01

CP5



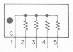
R=150
C=0.01

RB1


C
1
2
3
4
5
6
7
8
9

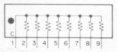
R=3300

RB2



R=3300

RB3, 4


C
1
2
3
4
5
6
7
8
9

R=620

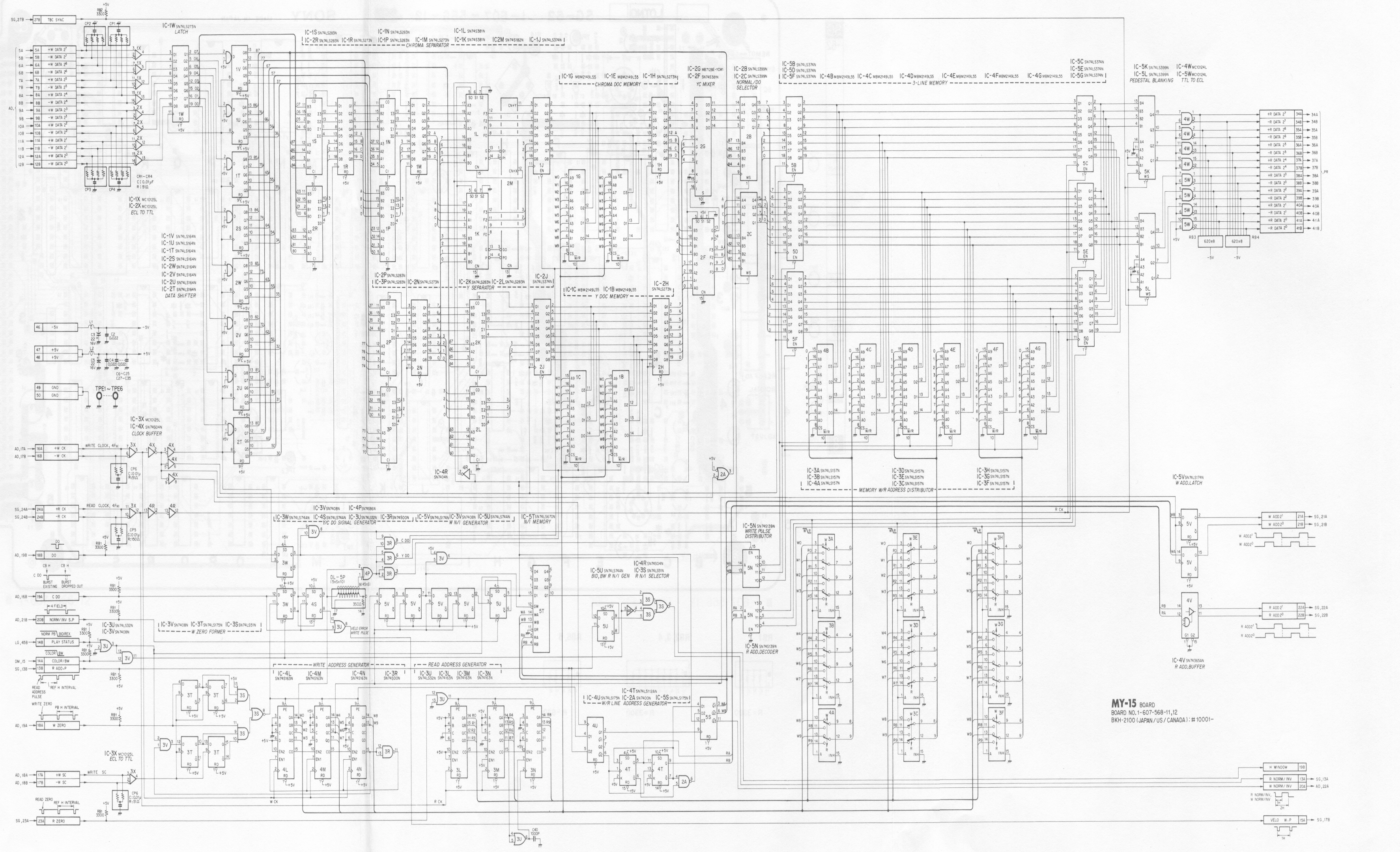
MY-15 (1-607-568-12)

BKH-2100(J,U/C)

CP1	1X
CP2	1X
CP3	2X
CP4	2X
CP5	3X
CP6	3X
DL	5P
E1	1A
E2	1L
E3	1W
E4	5A
E5	5J
E6	5X
IC1B	
IC1C	
IC1E	
IC1G	
IC1H	
IC1J	
IC1K	
IC1L	
IC1M	
IC1N	
IC1P	
IC1R	
IC1S	
IC1T	
IC1U	
IC1V	
IC1W	
IC1X	
IC2A	
IC2B	
IC2C	
IC2F	
IC2G	
IC2H	
IC2J	
IC2K	
IC2L	
IC2M	
IC2N	
IC2R	
IC2S	
IC2T	
IC2U	
IC2V	
IC2W	
IC2X	
IC3A	
IC3B	
IC3C	
IC3D	
IC3E	
IC3F	
IC3G	
IC3H	
IC3L	
IC3M	
IC3N	
IC3P	
IC3R	
IC3S	
IC3T	
IC3U	
IC3V	
IC3W	
IC3X	
IC4A	
IC4B	
IC4C	
IC4D	
IC4E	
IC4F	
IC4G	
IC4L	
IC4M	
IC4N	
IC4P	
IC4R	
IC4S	
IC4T	
IC4U	
IC4V	
IC4W	
IC4X	
IC5B	
IC5C	
IC5D	
IC5E	
IC5F	
IC5G	
IC5K	
IC5L	
IC5N	
IC5S	
IC5T	
IC5U	
IC5V	
IC5W	
RB1	2X
RB2	3X
RB3	4X
RB4	4X

MY-15 BOARD

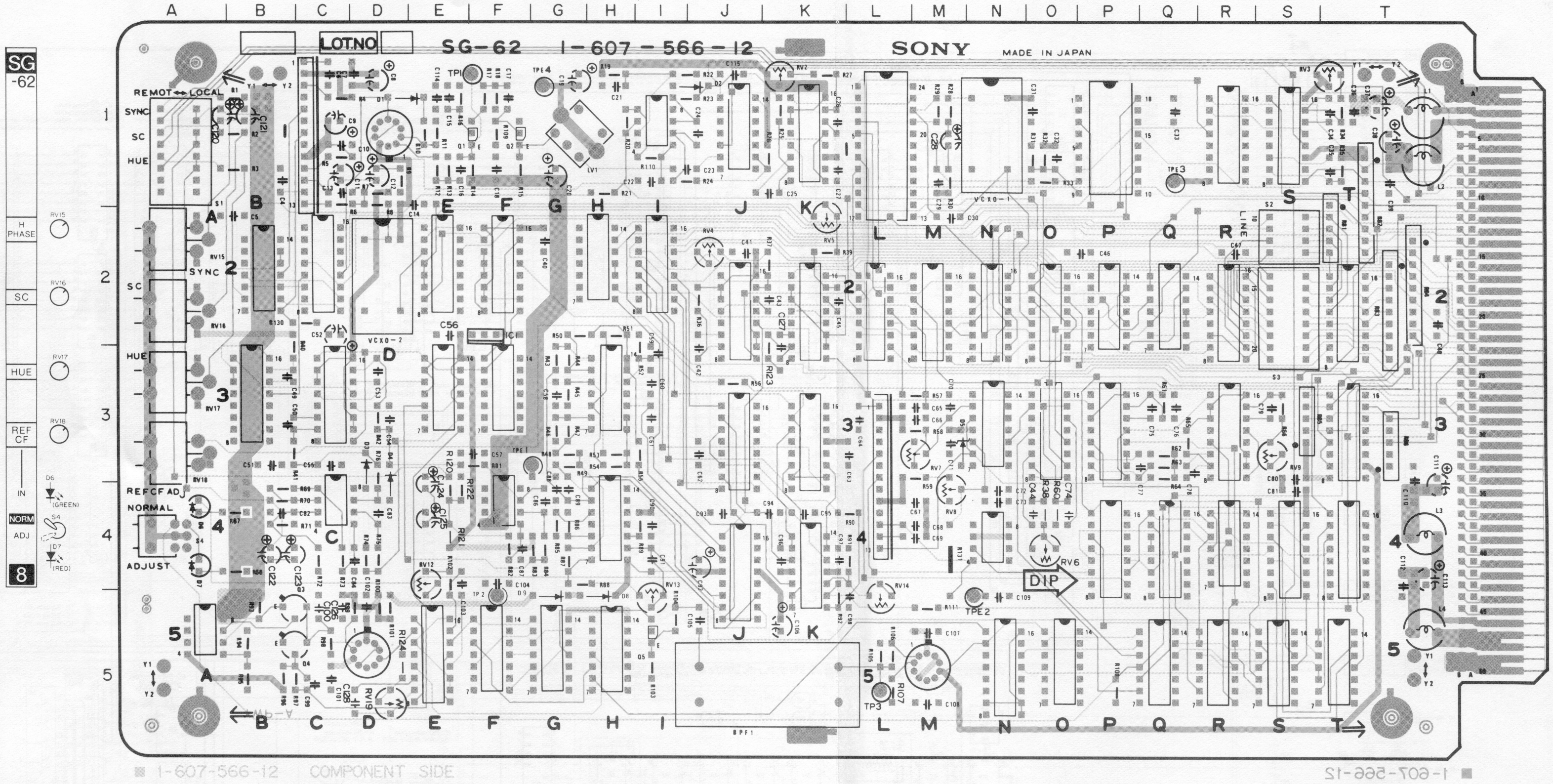
3-Line Memory
Dropout Compensator
Sequencer

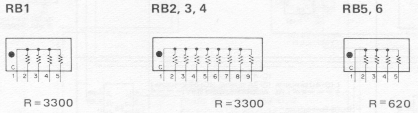

TBC SYNC
IC-1W SN74LS273N LATCH
IC-1X MC10125L
IC-2X MC10125L
ECL TO TTL
IC-1V SN74LS164N
IC-1U SN74LS164N
IC-1T SN74LS164N
IC-2S SN74LS164N
IC-2W SN74LS164N
IC-2V SN74LS164N
IC-2U SN74LS164N
IC-2T SN74LS164N
DATA SHIFTER
IC-3X MC10125L
IC-4X SN7404N
CLOCK BUFFER
TP1 ~ TP6
IC-1S SN74LS283N
IC-2R SN74LS283N
IC-1R SN74LS273N
IC-1N SN74LS283N
IC-1P SN74LS283N
IC-1M SN74LS273N
IC-1L SN74S381N
IC-1K SN74S381N
IC2M SN74S182N
IC-1J SN74LS374N
CHROMA SEPARATOR
IC-2P SN74LS283N
IC-3P SN74LS283N
IC-2N SN74LS273N
IC-2K SN74LS283N
IC-2L SN74LS283N
IC-2J SN74LS374N
Y SEPARATOR
IC-1G MBM2149L55
IC-1E MBM2149L55
IC-1H SN74LS273N
CHROMA DOC MEMORY
IC-1C MBM2149L55
IC-1B MBM2149L55
IC-2H SN74LS273N
Y DOC MEMORY
IC-2G MB7128E-YCM1
IC-2F SN74S381N
YC MIXER
IC-2B SN74LS399N
IC-2C SN74LS399N
NORMAL/DO SELECTOR
IC-5B SN74LS374N
IC-5D SN74LS374N
IC-5F SN74LS374N
IC-4B MBM2149L55
IC-4C MBM2149L55
IC-4D MBM2149L55
IC-4E MBM2149L55
IC-4F MBM2149L55
IC-4G MBM2149L55
IC-5C SN74LS374N
IC-5E SN74LS374N
IC-5G SN74LS374N
3-LINE MEMORY
IC-5K SN74LS399N
IC-5L SN74LS399N
PEDESTAL BLANKING
IC-4W MC10124L
IC-5W MC10124L
TTL TO ECL
+W DATA 2⁷
−W DATA 2⁷
+R DATA 2⁷
−R DATA 2⁷
WRITE CLOCK
READ CLOCK
DOC SIGNAL GENERATOR
W N/I GENERATOR
N/I MEMORY
W ZERO FORMER
WRITE ADDRESS GENERATOR
READ ADDRESS GENERATOR
W/R LINE ADDRESS GENERATOR
IC-5U SN74LS74AN
B/G, BW R N/I GEN
IC-4R SN7404N
IC-3S SN74LS51N
R N/I SELECTOR
IC-5N SN74S139N
WRITE PULSE DISTRIBUTOR
R ADD.DECODER
IC-3A SN74LS157N
IC-3B SN74LS157N
IC-4A SN74LS157N
IC-3D SN74LS157N
IC-3E SN74LS157N
IC-3C SN74LS157N
IC-3H SN74LS157N
IC-3G SN74LS157N
IC-3F SN74LS157N
MEMORY W/R ADDRESS DISTRIBUTOR
IC-5V SN74LS174N
W ADD.LATCH
IC-4V SN74365AN
R ADD.BUFFER
W ADD2¹
W ADD2⁰
R ADD2¹
R ADD2⁰
H WINDOW
R NORM/INV
W NORM/INV
VELO W.P.
W ZERO
R ZERO
PLAY STATUS
COLOR/BW
NORM/INV S.P.
4 FIELD

MY-15 BOARD
BOARD NO. 1-607-568-11,12
BKH-2100 (JAPAN/US/CANADA) : #10001-

SG-62 BOARD (1-607-566-12)

Component Side


SG -62
H PHASE
SC
HUE
REF CF
IN
NORM
ADJ
8
RV15
RV16
RV17
RV18
D6 (GREEN)
S4
D7 (RED)
A B C D E F G H I J K L M N O P Q R S T
1 2 3 4 5
LOT.NO
SG-62 1-607-566-12
SONY
MADE IN JAPAN
REMOT↔LOCAL
SYNC
SC
HUE
REFCF AD
NORMAL
ADJUST
VCXO-1
VCXO-2
LINE
DIP
BPF1
1-607-566-12 COMPONENT SIDE


RB1
RB2, 3, 4
RB5, 6
R=3300
R=3300
R=620

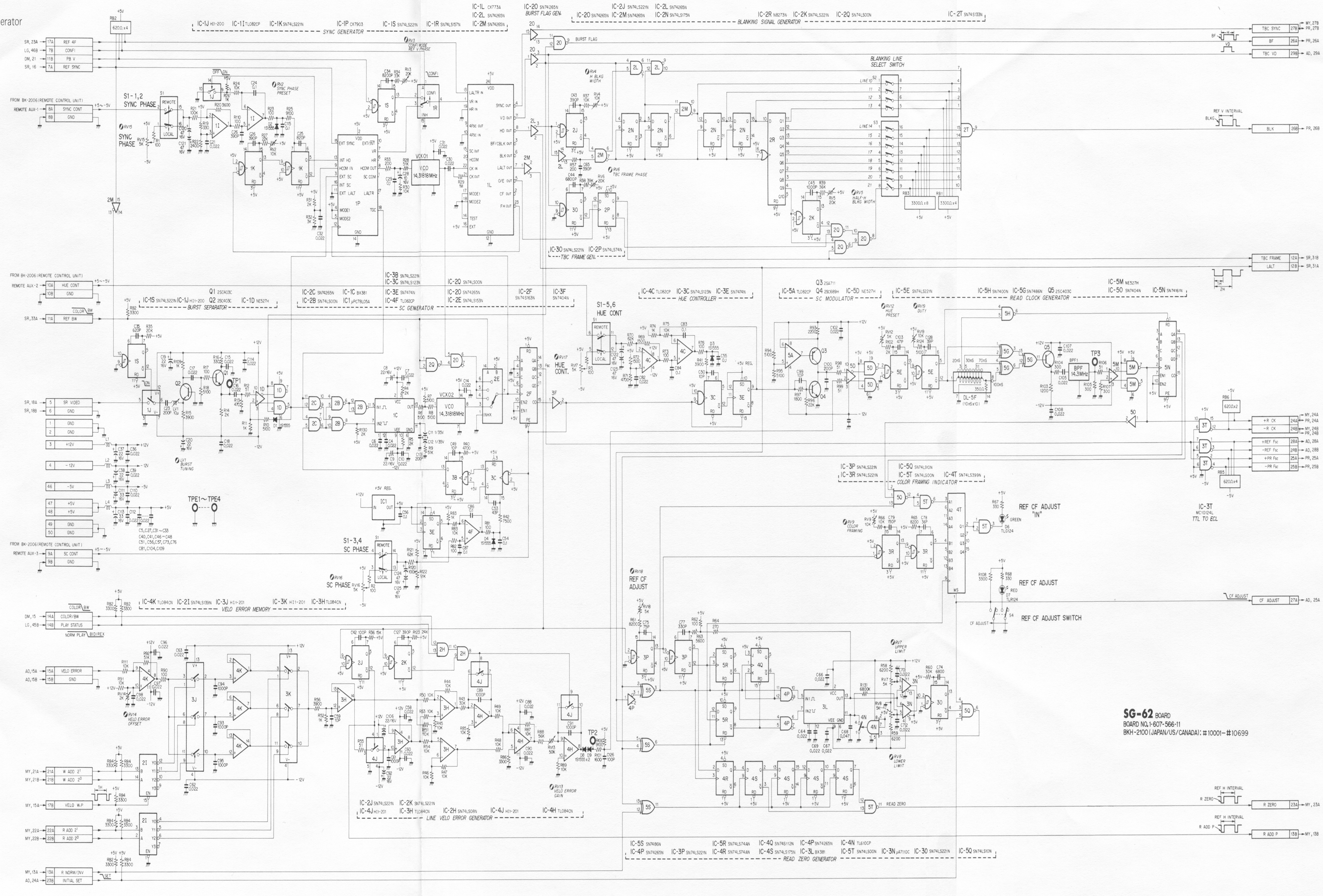
SG-62 (1-607-566-12)

BKH-2100(J,U/C)

D1	1D
D2	1J
D3	3D
D4	3D
D5	3M
D6	4A
D7	4A
D8	4H
D9	4H
DL	5F
IC1	2F
IC1C	
IC1D	
IC1I	
IC1J	
IC1K	
IC1L	
IC1P	
IC1R	
IC1S	
IC2B	
IC2C	
IC2E	
IC2F	
IC2H	
IC2I	
IC2J	
IC2K	
IC2L	
IC2M	
IC2N	
IC2O	
IC2P	
IC2Q	
IC2R	
IC2T	
IC3B	
IC3C	
IC3E	
IC3F	
IC3H	
IC3J	
IC3K	
IC3L	
IC3N	
IC3O	
IC3P	
IC3R	
IC3T	
IC4C	
IC4F	
IC4H	
IC4J	
IC4K	
IC4N	
IC4P	
IC4Q	
IC4R	
IC4S	
IC4T	
IC5A	
IC5D	
IC5E	
IC5G	
IC5H	
IC5M	
IC5N	
IC5O	
IC5Q	
IC5R	
IC5S	
IC5T	
LV1	1G
Q1	1E
Q2	2E
Q3	5B
Q4	5B
Q5	5I
RB1	2T
RB2	2T
RB3	2T
RB4	2T
RB5	3S
RB6	3T
RV2	1K
RV3	1T
RV4	2J
RV5	2K
RV6	4O
RV7	3M
RV8	4M
RV9	3S
RV12	4E
RV13	5I
RV14	5L
RV15	2A
RV16	2A
RV17	3A
RV18	3A
RV19	5D
S1	1A
S2	2S
S3	2S
S4	4A
TP1	1E
TP2	5F
TP3	5L
TPE1	3F
TPE2	5N
TPE3	1Q
TPE4	1G
VCXO1	1N
VCXO2	2D

SG-62 BOARD **UP TO #10699**

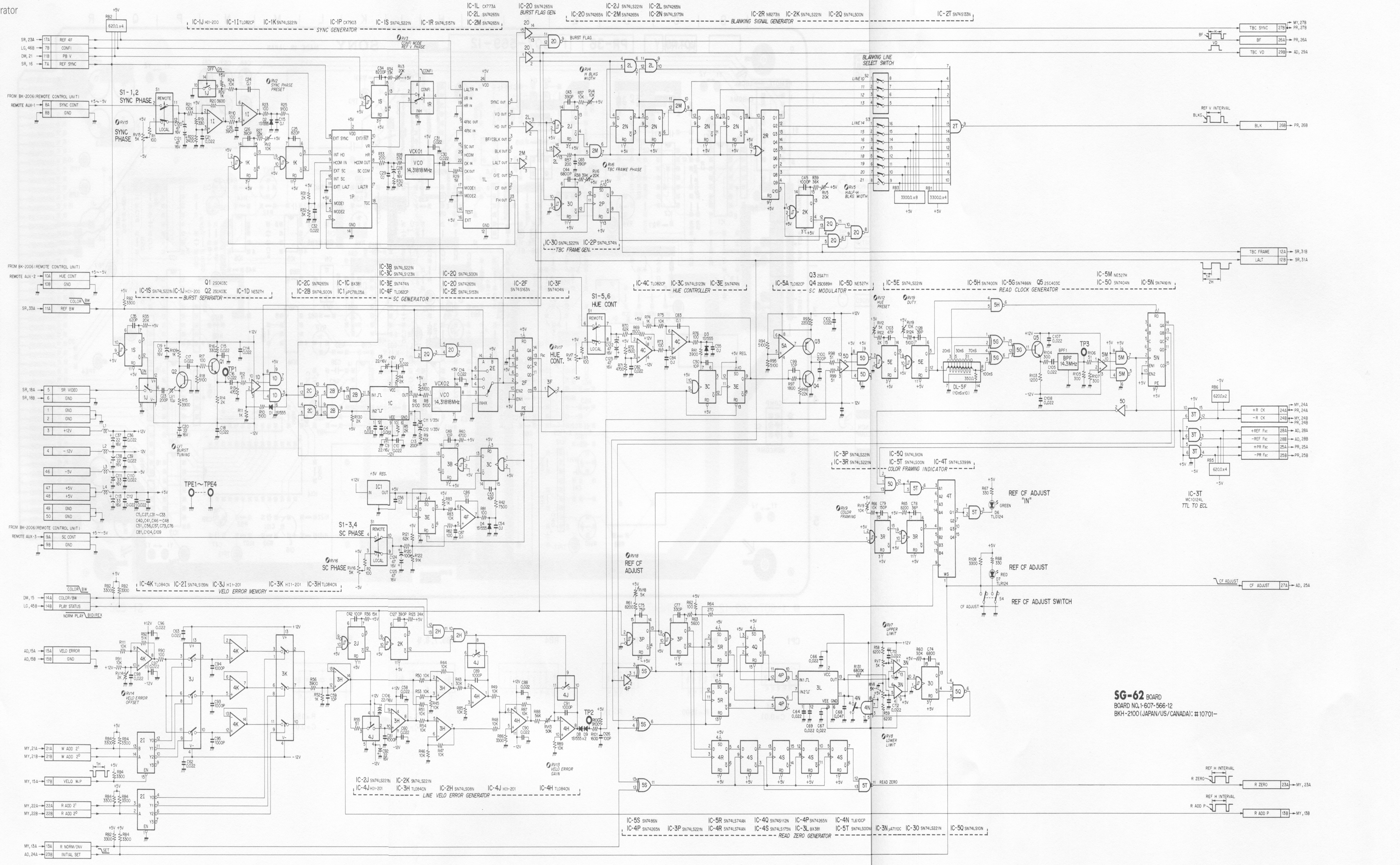
Sync Generator
Read Clock Generator


IC-1J HI1-200 IC-1I TL082CP IC-1K SN74LS221N IC-1P CX7903 IC-1S SN74LS221N IC-1R SN74LS157N
SYNC GENERATOR
IC-1L CX773A IC-2L SN74265N IC-2M SN74265N
IC-2O SN74265N BURST FLAG GEN.
IC-2O SN74265N IC-2M SN74265N IC-2J SN74LS221N IC-2N SN74LS175N IC-2L SN74265N
IC-2R N8273N IC-2K SN74LS221N IC-2Q SN74LS00N
BLANKING SIGNAL GENERATOR
IC-2T SN74S133N
IC-3O SN74LS221N IC-2P SN74LS74N
TBC FRAME GEN.
BLANKING LINE SELECT SWITCH
S1-1,2 SYNC PHASE
SYNC PHASE
VCXO1 14.31818MHz
TBC SYNC
BF
TBC VD
BLK
TBC FRAME
LALT
REF 4F
CONFI
PB V
REF SYNC
SYNC CONT
HUE CONT
REF BW
SP VIDEO
SC CONT
FROM BK-2006(REMOTE CONTROL UNIT)
REMOTE AUX-1
REMOTE AUX-2
REMOTE AUX-3
IC-1S SN74LS221N IC-1J HI1-200 Q1 2SC403C Q2 2SC403C IC-1D NE527N
BURST SEPARATOR
IC-2C SN74265N IC-2B SN74LS00N IC-1C BX381 IC1 μPC78L05A IC-3B SN74LS221N IC-3C SN74LS123N IC-3E SN74LS74N IC-4F TL082CP
IC-2O SN74LS00N IC-2O SN74265N IC-2E SN74LS00N
SC GENERATOR
IC-2F SN74LS163N IC-3F SN7404N
VCXO2 14.31818MHz
S1-5,6 HUE CONT.
HUE CONT.
IC-4C TL082CP IC-3C SN74LS123N IC-3E SN74LS74N
HUE CONTROLLER
IC-5A TL082CP Q3 2SA711 Q4 2SC689H IC-5D NE527N
SC MODULATOR
IC-5E SN74LS221N IC-5H SN7400N IC-5G SN7486N Q5 2SC403C IC-5M NE527N IC-5O SN7404N IC-5N SN74161N
READ CLOCK GENERATOR
BPF 14.3MHz
DL-5F
TP1 TP2 TP3
TPE1~TPE4
S1-3,4 SC PHASE
SC PHASE
BURST TUNING
IC-3P SN74LS221N IC-3R SN74LS221N IC-5Q SN74LS10N IC-5T SN74LS00N IC-4T SN74LS399N
COLOR FRAMING INDICATOR
REF CF ADJUST "IN"
REF CF ADJUST
REF CF ADJUST SWITCH
CF ADJUST
IC-3T MC10124L TTL TO ECL
+R CK
-R CK
+REF Fsc
-REF Fsc
+PR Fsc
-PR Fsc
IC-4K TL084CN IC-2I SN74LS189N IC-3J HI1-201 IC-3K HI1-201 IC-3H TL084CN
VELO ERROR MEMORY
COLOR/BW
PLAY STATUS
VELO ERROR
VELO ERROR OFFSET
W ADD 2¹
W ADD 2⁰
VELO W.P
R ADD 2¹
R ADD 2⁰
R NORM/INV
INITIAL SET
IC-2J SN74LS221N IC-2K SN74LS221N IC-4J HI1-201 IC-3H TL084CN IC-2H SN74LS08N IC-4J HI1-201 IC-4H TL084CN
LINE VELO ERROR GENERATOR
VELO ERROR GAIN
UPPER LIMIT
LOWER LIMIT
IC-5S SN7486N IC-4P SN74265N IC-3P SN74LS221N IC-5R SN74LS74N IC-4R SN74LS74N IC-4Q SN74S112N IC-4S SN74LS175N IC-4P SN74265N IC-3L BX381 IC-4N TL810CP IC-5T SN74LS00N IC-3N μA711CC IC-3O SN74LS221N IC-5Q SN74LS10N
READ ZERO GENERATOR
READ ZERO
R ZERO
R ADD P
REF H INTERVAL
REF V INTERVAL

SG-62 BOARD
BOARD NO.1-607-566-11
BKH-2100 (JAPAN/US/CANADA): #10001–#10699

SG-62 BOARD #10701 & UP

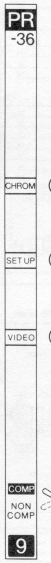
Sync Generator
Read Clock Generator

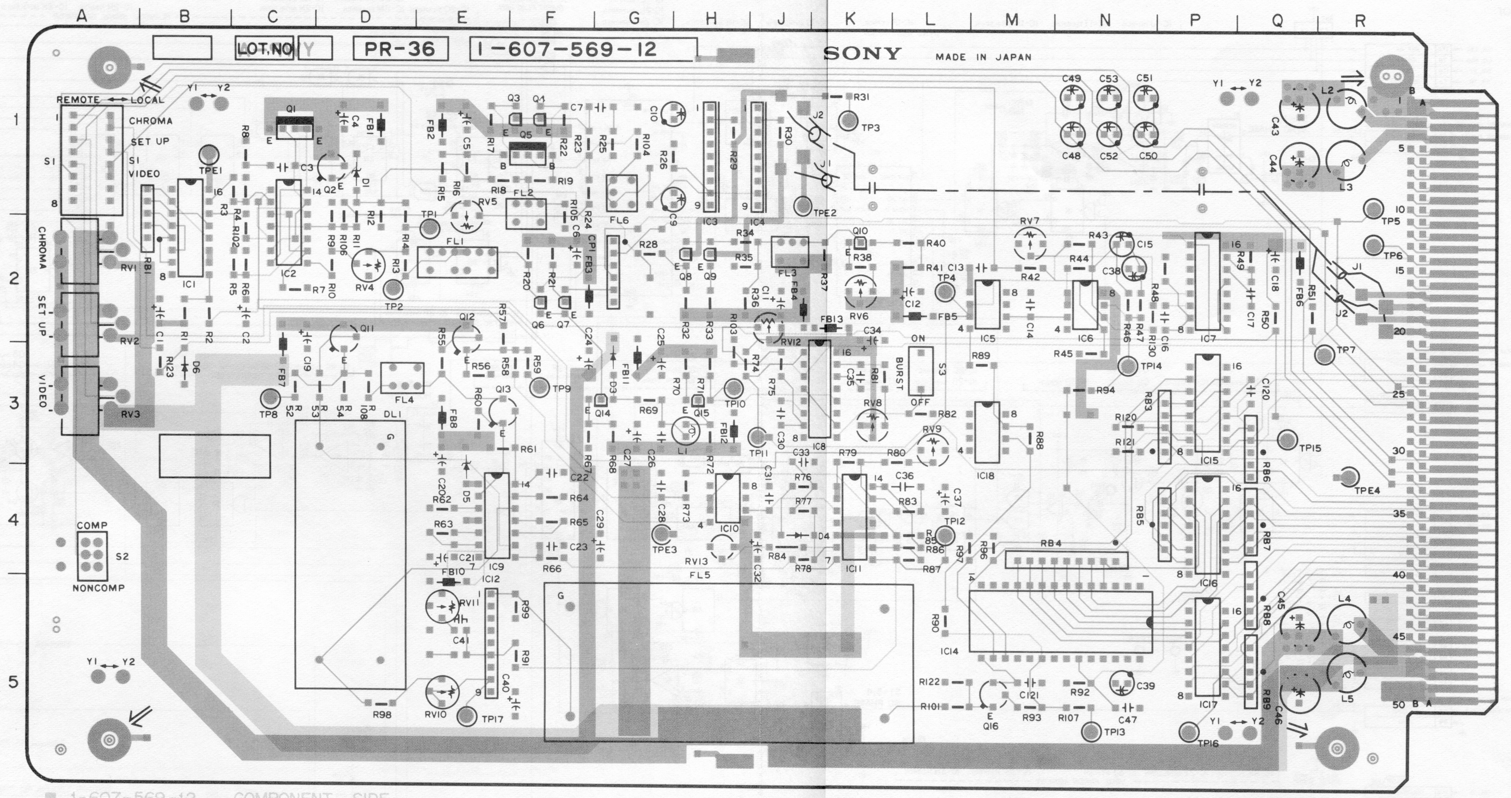

IC-1J H11-200 IC-1I TL082CP IC-1K SN74LS221N IC-1P CX7903 IC-1S SN74LS221N IC-1R SN74LS157N
SYNC GENERATOR
IC-1L CX773A IC-2L SN74265N IC-2M SN74265N
IC-2O SN74265N BURST FLAG GEN.
IC-2O SN74265N IC-2M SN74265N IC-2J SN74LS221N IC-2N SN74LS175N IC-2L SN74265N
IC-2R N8273N IC-2K SN74LS221N IC-2Q SN74LS00N
BLANKING SIGNAL GENERATOR
IC-2T SN74S133N
BLANKING LINE SELECT SWITCH
S1-1,2 SYNC PHASE
SYNC PHASE
VCXO1 VCO 14.31818MHz
IC-3O SN74LS221N IC-2P SN74LS74N
TBC FRAME GEN.
IC-1S SN74LS221N IC-1J H11-200 IC-1D NE527N Q1 2SC403C Q2 2SC403C
BURST SEPARATOR
IC-2C SN74265N IC-2B SN74LS00N IC-1C BX381 IC1 µPC78L05A IC-3B SN74LS221N IC-3C SN74LS123N IC-3E SN74174N IC-4F TL082CP IC-2O SN74265N IC-2E SN74S133N
SC GENERATOR
IC-2F SN74S163N IC-3F SN7404N
VCXO2 VCO 14.31818MHz
S1-5,6 HUE CONT
HUE CONT.
IC-4C TL082CP IC-3C SN74LS123N IC-3E SN74174N
HUE CONTROLLER
IC-5A TL082CP Q3 2SA711 Q4 2SC688H IC-5D NE527N
SC MODULATOR
IC-5E SN74LS221N IC-5H SN7400N IC-5G SN74S86N Q5 2SC403C IC-5M NE527N IC-5O SN7404N IC-5N SN74161N
READ CLOCK GENERATOR
BPF 14.3MHz
TP3
DL-5F
S1-3,4 SC PHASE
SC PHASE
TPE1~TPE4
TP1
TP2
IC-4K TL084CN IC-2I SN74LS139N IC-3J H11-201 IC-3K H11-201 IC-3H TL084CN
VELO ERROR MEMORY
IC-2J SN74LS221N IC-2K SN74LS221N IC-2H SN74LS08N IC-4J H11-201 IC-4H TL084CN IC-4J H11-201 IC-3H TL084CN
LINE VELO ERROR GENERATOR
IC-3P SN74LS221N IC-3R SN74LS221N IC-5Q SN74LS10N IC-5T SN74LS00N IC-4T SN74LS399N
COLOR FRAMING INDICATOR
REF CF ADJUST "IN"
REF CF ADJUST
REF CF ADJUST SWITCH
IC-3T MC10124L TTL TO ECL
IC-5S SN7486N IC-4P SN74265N IC-3P SN74LS221N IC-5R SN74LS74AN IC-4R SN74LS74AN IC-4Q SN74S112N IC-4S SN74LS175N IC-4P SN74265N IC-3L BX381 IC-4N TL610CP IC-5T SN74LS00N IC-3N µA711CC IC-3O SN74LS221N IC-5O SN74LS10N
READ ZERO GENERATOR
TBC SYNC 27B
BF 26A
TBC VD 29B
BLK 26B
TBC FRAME 12A
LALT 12B
+R CK 24A
-R CK 24B
+REF Fsc 28A
-REF Fsc 28B
+PR Fsc 25A
-PR Fsc 25B
CF ADJUST 27A
R ZERO 23A
R ADD P 13B
REF H INTERVAL
REF V INTERVAL
FROM BK-2006 (REMOTE CONTROL UNIT)
REMOTE AUX-1
REMOTE AUX-2
REMOTE AUX-3
REF 4Y
CONFI
PB V
REF SYNC
SYNC CONT
HUE CONT
REF BW
SR VIDEO
SC CONT
COLOR/BW
PLAY STATUS
VELO ERROR
W ADD 2¹
W ADD 2⁰
VELO W-P
R ADD 2¹
R ADD 2⁰
R NORM/INV
INITIAL SET

SG-62 BOARD
BOARD NO. 1-607-566-12
BKH-2100 (JAPAN/US/CANADA): #10701-

PR-36 BOARD (1-607-569-12)

Component Side


PR
-36
CHROM
RV1
SET UP
RV2
VIDEO
RV3
COMP
NON COMP
S2
9

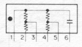

A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
1
2
3
4
5
LOT.NO
Y
PR-36
1-607-569-12
SONY
MADE IN JAPAN
REMOTE ↔ LOCAL
CHROMA
SET UP
S1
VIDEO
S1
RV1
RV2
RV3
CHROMA
SET UP
VIDEO
COMP
S2
NONCOMP
Y1 ↔ Y2
TPE1
TPE2
TPE3
TPE4
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
IC12
IC14
IC15
IC16
IC17
IC18
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
RV4
RV5
RV6
RV7
RV8
RV9
RV10
RV11
RV12
RV13
RB1
RB3
RB4
RB5
RB6
RB7
RB8
RB9
FL1
FL2
FL3
FL4
FL5
FL6
DL1
CP1
J1
J2
L1
L2
L3
L4
L5
S3
BURST
ON
OFF
5
10
15
20
25
30
35
40
45
50
B
A

PR-36 (1-607-569-12)

BKH-2100(J,U/C)

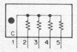
CP1	2G
D1	1D
D3	3G
D4	4J
D5	4E
D6	3B
DL1	4D
IC1	2B
IC2	2C
IC3	1H
IC4	1J
IC5	2M
IC6	2N
IC7	2P
IC8	3K
IC9	4E
IC10	4H
IC11	4K
IC12	5E
IC14	5M
IC15	3P
IC16	4P
IC17	5P
IC18	3M
Q1	1C
Q2	1D
Q3	1F
Q4	1F
Q5	1F
Q6	2F
Q7	2F
Q8	2H
Q9	2H
Q10	2K
Q11	2D
Q12	2E
Q13	3E
Q14	3G
Q15	3H
Q16	5M
RB1	2B
RB3	3P
RB4	4M
RB5	4P
RB6	3Q
RB7	4Q
RB8	5Q
RB9	5Q
RV1	2A
RV2	2A
RV3	3A
RV4	2D
RV5	1E
RV6	2K
RV7	2M
RV8	3K
RV9	3L
RV10	5E
RV11	5E
RV12	2J
RV13	4H
S1	1A
S2	4A
S3	3L
TP1	2E
TP2	2D
TP3	1K
TP4	2L
TP5	1R
TP6	2R
TP7	3R
TP8	3C
TP9	3F
TP10	3H
TP11	3J
TP12	4L
TP13	5N
TP14	3N
TP15	3Q
TP16	5P
TP17	5E
TPE1	1B
TPE2	1J
TPE3	4G
TPE4	4R

CP1



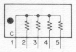
R=51
C=0.01

RB1



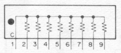
R=1500

RB3



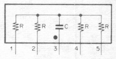
R=1K

RB4


C
1
2
3
4
5
6
7
8
9

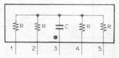
R=620

RB5, 7, 8, 9



R=51
C=0.01

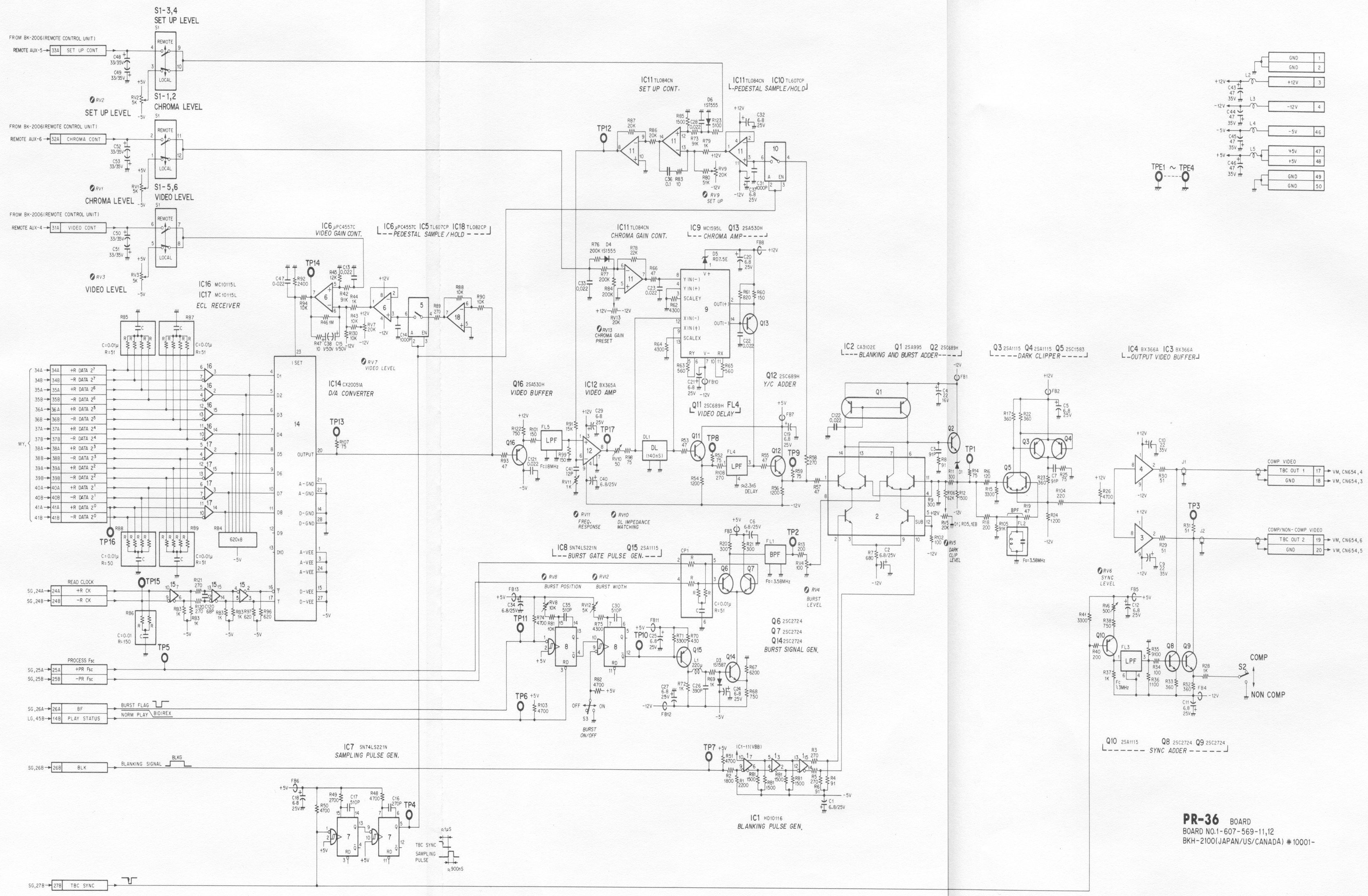
RB6



R=150
C=0.01

PR-36 BOARD

D/A Converter
Processor


S1-3,4
SET UP LEVEL
S1-1,2
CHROMA LEVEL
S1-5,6
VIDEO LEVEL
FROM BK-2006(REMOTE CONTROL UNIT)
REMOTE AUX-5
SET UP CONT
REMOTE AUX-6
CHROMA CONT
REMOTE AUX-4
VIDEO CONT
REMOTE
LOCAL
RV2
SET UP LEVEL
RV1
CHROMA LEVEL
RV3
VIDEO LEVEL
IC16 MC10115L
IC17 MC10115L
ECL RECEIVER
+R DATA
-R DATA
READ CLOCK
+R CK
-R CK
PROCESS Fsc
+PR Fsc
-PR Fsc
BF
PLAY STATUS
BURST FLAG
NORM PLAY
BIDIREX
BLK
BLANKING SIGNAL
TBC SYNC
TP15
TP16
TP5
IC14 CX20051A
D/A CONVERTER
TP13
TP14
IC6 μPC4557C
VIDEO GAIN CONT.
IC6 μPC4557C IC5 TL607CP IC18 TL082CP
PEDESTAL SAMPLE / HOLD
RV7
VIDEO LEVEL
IC7 SN74LS221N
SAMPLING PULSE GEN.
TP4
TBC SYNC
SAMPLING PULSE
Q16 2SA530H
VIDEO BUFFER
IC12 BX365A
VIDEO AMP
TP17
RV11
FREQ. RESPONSE
RV10
DL IMPEDANCE MATCHING
DL
IC11 TL084CN
SET UP CONT.
IC11 TL084CN IC10 TL607CP
PEDESTAL SAMPLE/HOLD
TP12
RV9
SET UP
IC11 TL084CN
CHROMA GAIN CONT.
RV13
CHROMA GAIN PRESET
IC9 MC1595L Q13 2SA530H
CHROMA AMP
Q11 2SC689H FL4
VIDEO DELAY
Q12 2SC689H
Y/C ADDER
TP8
TP9
IC8 SN74LS221N Q15 2SA1115
BURST GATE PULSE GEN.
RV8
BURST POSITION
RV12
BURST WIDTH
TP11
TP10
TP6
S3
BURST ON/OFF
Q6 2SC2724
Q7 2SC2724
Q14 2SC2724
BURST SIGNAL GEN.
BPF
TP2
RV14
BURST LEVEL
TP7
IC1 HD10116
BLANKING PULSE GEN.
IC2 CA3102E Q1 2SA995 Q2 2SC689H
BLANKING AND BURST ADDER
TP1
RV5
DARK CLIP LEVEL
Q3 2SA1115 Q4 2SA1115 Q5 2SC1583
DARK CLIPPER
IC4 BX366A IC3 BX366A
OUTPUT VIDEO BUFFER
TP3
RV6
SYNC LEVEL
LPF
Q10 2SA1115 Q8 2SC2724 Q9 2SC2724
SYNC ADDER
COMP
NON COMP
S2
COMP VIDEO
TBC OUT 1
COMP/NON-COMP VIDEO
TBC OUT 2
GND
VM, CN654,4
VM, CN654,3
VM, CN654,6
VM, CN654,5
+12V
-12V
-5V
+5V
TPE1 ~ TPE4

PR-36 BOARD
BOARD NO.1-607-569-11,12
BKH-2100(JAPAN/US/CANADA) #10001-